

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: P159020

Luminaire Tested: **VTS-E07-LED-E1-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159020  
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-E07-LED-E1-SLR  
Description: VENTUS LED SITE LUMINAIRE  
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (147) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

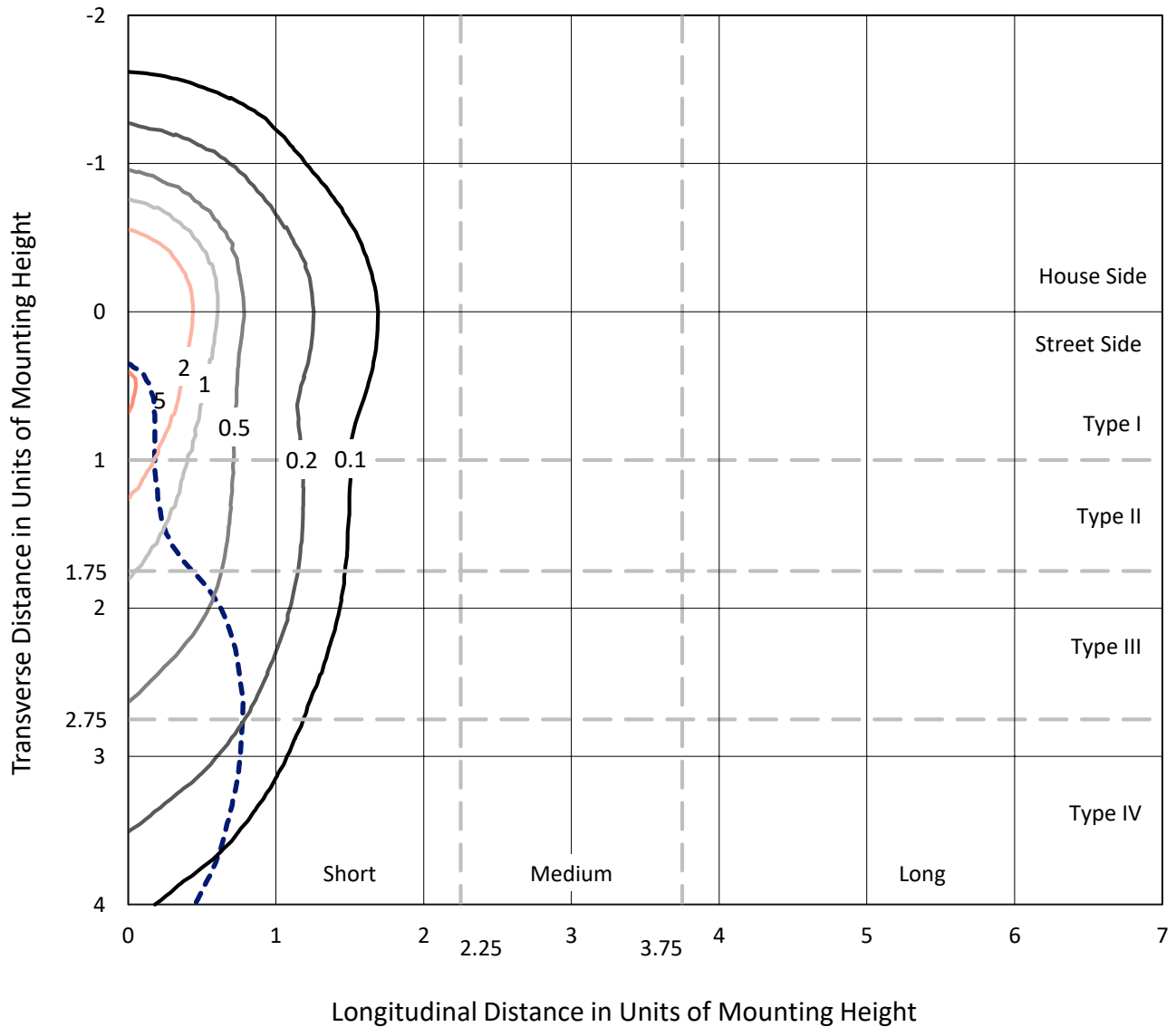
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18811 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B3 - 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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

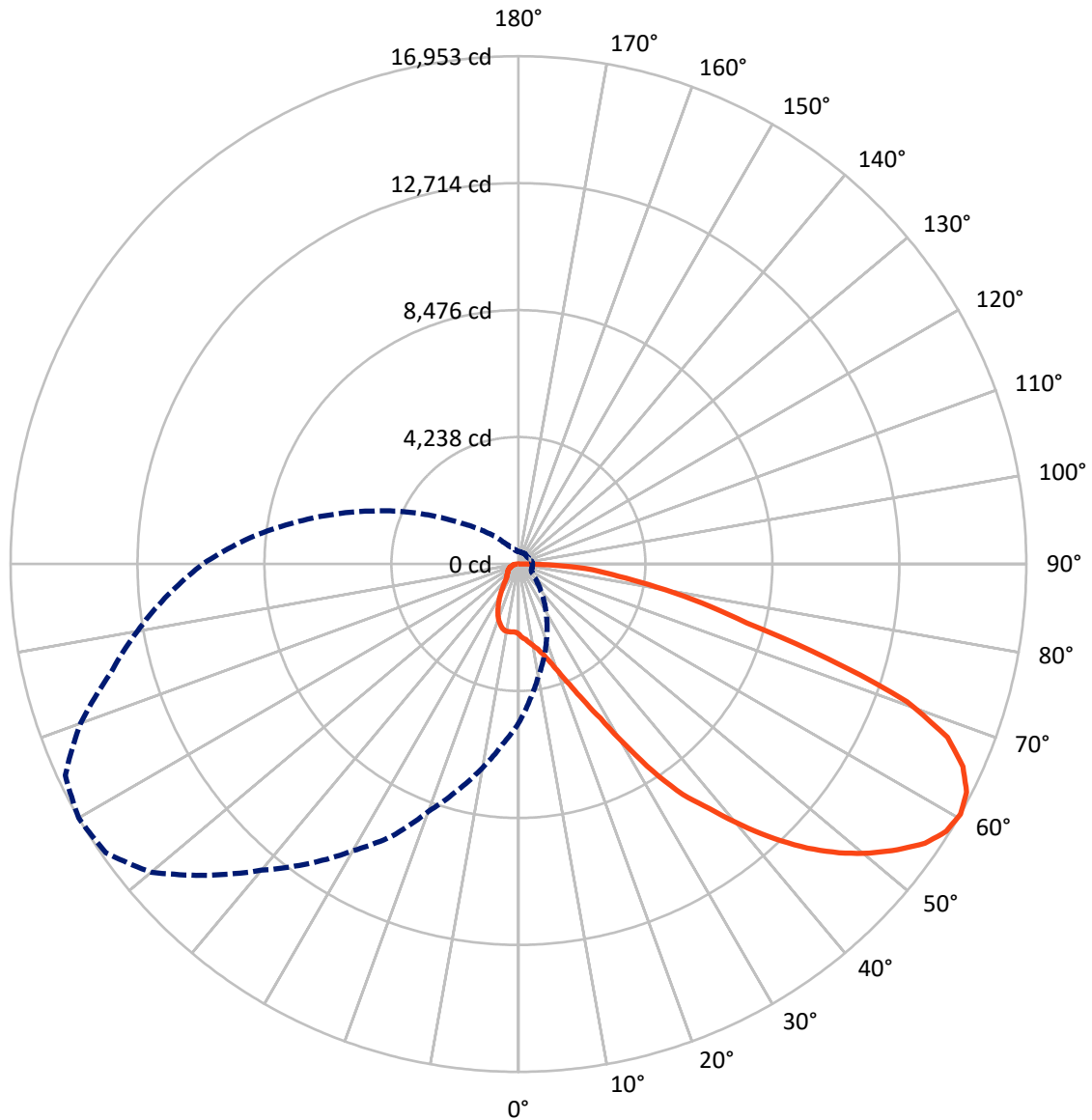
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4235.6	0.0	4235.6
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	14575.3	0.0	14575.3
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	18811.0	0.0	18811.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.8	1.2
10°-20°	745.2	4.0
20°-30°	1414.1	7.5
30°-40°	2226.9	11.8
40°-50°	3108.3	16.5
50°-60°	3844.2	20.4
60°-70°	3984.7	21.2
70°-80°	2507.3	13.3
80°-90°	749.5	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°	18811.0	100.0
0°-180°	18811.0	100.0



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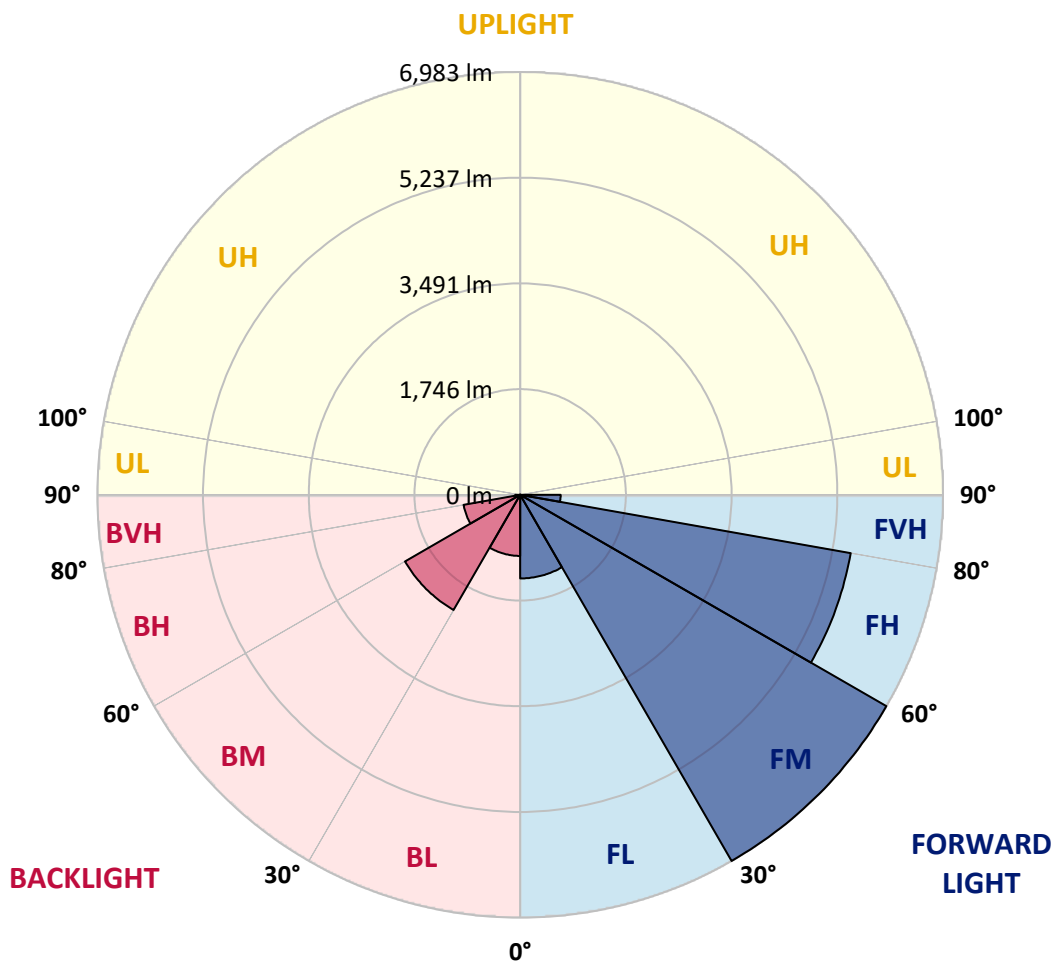
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1381.0	7.3			
FM	(30°-60°)	6982.9	37.1			
FH	(60°-80°)	5543.4	29.5			G3/7500
FVH	(80°-90°)	668.0	3.6			G4/750
BL	(0°-30°)	1009.1	5.4	B3/2500		
BM	(30°-60°)	2196.4	11.7	B2/2500		
BH	(60°-80°)	948.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	81.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2478.0	2329.6	2332.4	2328.2	2328.2	2325.4	2328.2	2325.4	2322.6	2322.6	2324.0
5°	2510.2	2346.4	2346.4	2342.2	2339.4	2336.6	2339.4	2336.6	2335.2	2332.4	2333.8
7.5°	2541.0	2356.2	2350.6	2345.0	2338.0	2340.8	2340.8	2339.4	2340.8	2339.4	2342.2
10°	2591.4	2388.4	2374.4	2361.8	2360.4	2357.6	2357.6	2353.4	2353.4	2350.6	2352.0
12.5°	2720.2	2487.8	2472.4	2450.0	2445.8	2433.2	2426.2	2417.8	2403.8	2391.2	2381.4
15°	2937.2	2653.0	2623.6	2604.0	2595.6	2570.4	2531.2	2500.4	2459.8	2424.8	2388.4
17.5°	3203.2	2874.2	2839.2	2814.0	2772.0	2703.4	2637.6	2562.0	2483.6	2412.2	2346.4
20°	3575.6	3192.0	3123.4	3063.2	2958.2	2840.6	2717.4	2585.8	2465.4	2353.4	2256.8
22.5°	4079.6	3602.2	3474.8	3313.8	3119.2	2920.4	2724.4	2542.4	2381.4	2235.8	2107.0
25°	4659.2	3994.2	3764.6	3487.4	3189.2	2914.8	2657.2	2423.4	2235.8	2048.2	1908.2
27.5°	5086.2	4321.8	3983.0	3619.0	3238.2	2888.2	2571.8	2289.0	2062.2	1870.4	1701.0
30°	5329.8	4509.4	4102.0	3675.0	3246.6	2843.4	2464.0	2136.4	1874.6	1646.4	1484.0
32.5°	5486.6	4610.2	4114.6	3619.0	3145.8	2710.4	2300.2	1960.0	1675.8	1432.2	1260.0
35°	5618.2	4650.8	4055.8	3494.4	2955.4	2508.8	2090.2	1750.0	1449.0	1225.0	1048.6
37.5°	5671.4	4643.8	3962.0	3327.8	2769.2	2289.0	1876.0	1527.4	1258.6	1061.2	910.0
40°	5661.6	4579.4	3834.6	3150.0	2550.8	2059.4	1649.2	1342.6	1124.2	957.6	847.0
42.5°	5595.8	4494.0	3693.2	2969.4	2350.6	1869.0	1495.2	1223.6	1047.2	921.2	824.6
45°	5513.2	4391.8	3564.4	2804.2	2192.4	1733.2	1405.6	1190.0	1037.4	917.0	813.4
47.5°	5401.2	4278.4	3434.2	2686.6	2108.4	1692.6	1404.2	1209.6	1045.8	907.2	793.8
50°	5279.4	4195.8	3362.8	2636.2	2098.6	1717.8	1453.2	1240.4	1051.4	897.4	767.2
52.5°	5194.0	4159.4	3361.4	2654.4	2150.4	1787.8	1510.6	1279.6	1072.4	903.0	761.6
55°	5089.0	4153.8	3397.8	2732.8	2263.8	1906.8	1601.6	1346.8	1115.8	924.0	765.8
57.5°	5096.0	4264.4	3539.2	2926.0	2468.2	2067.8	1717.8	1429.4	1157.8	936.6	758.8
60°	5317.2	4522.0	3817.8	3256.4	2735.6	2256.8	1836.8	1474.2	1155.0	908.6	725.2
62.5°	5773.6	4908.4	4235.0	3644.2	3007.2	2402.4	1880.2	1461.6	1113.0	848.4	670.6
65°	6318.2	5360.6	4641.0	3945.2	3172.4	2436.0	1842.4	1391.6	1029.0	770.0	604.8
67.5°	6862.8	5681.2	4874.8	4030.6	3105.2	2300.2	1702.4	1234.8	886.2	663.6	530.6
70°	7058.8	5747.0	4856.6	3838.8	2800.0	1962.8	1401.4	994.0	711.2	543.2	446.6
72.5°	6764.8	5335.4	4317.6	3262.0	2276.4	1521.8	1027.6	733.6	543.2	425.6	364.0
75°	5674.2	4296.6	3413.2	2457.0	1643.6	1076.6	742.0	534.8	408.8	337.4	291.2
77.5°	4044.6	2991.8	2325.4	1614.2	1066.8	746.2	532.0	401.8	324.8	270.2	236.6
80°	2541.0	1836.8	1416.8	968.8	665.0	506.8	382.2	317.8	261.8	219.8	197.4
82.5°	1530.2	1069.6	834.4	602.0	436.8	347.2	281.4	249.2	208.6	182.0	169.4
85°	1038.8	786.8	547.4	355.6	263.2	204.4	191.8	172.2	155.4	130.2	126.0
87.5°	198.8	281.4	245.0	145.6	96.6	82.6	72.8	70.0	63.0	50.4	57.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2315.6	2312.8	2307.2	2307.2	2303.0	2294.6	2293.2	2287.6	2280.6	2282.0	2280.6
5°	2324.0	2318.4	2311.4	2308.6	2303.0	2294.6	2290.4	2283.4	2276.4	2276.4	2276.4
7.5°	2333.8	2326.8	2321.2	2311.4	2300.2	2291.8	2280.6	2272.2	2268.0	2266.6	2268.0
10°	2342.2	2338.0	2329.6	2315.6	2300.2	2283.4	2272.2	2261.0	2249.8	2251.2	2252.6
12.5°	2360.4	2346.4	2324.0	2303.0	2279.2	2258.2	2238.6	2224.6	2210.6	2210.6	2212.0
15°	2347.8	2307.2	2276.4	2235.8	2209.2	2175.6	2153.2	2140.6	2132.2	2129.4	2130.8
17.5°	2273.6	2224.6	2178.4	2142.0	2105.6	2079.0	2069.2	2060.8	2049.6	2055.2	2049.6
20°	2161.6	2101.4	2035.6	1992.2	1948.8	1930.6	1913.8	1905.4	1898.4	1923.6	1923.6
22.5°	2000.6	1927.8	1860.6	1807.4	1758.4	1738.8	1722.0	1712.2	1716.4	1747.2	1750.0
25°	1797.6	1709.4	1621.2	1589.0	1540.0	1524.6	1514.8	1513.4	1517.6	1548.4	1555.4
27.5°	1582.0	1489.6	1414.0	1339.8	1317.4	1304.8	1286.6	1307.6	1311.8	1345.4	1359.4
30°	1352.4	1253.0	1173.2	1124.2	1076.6	1083.6	1068.2	1093.4	1104.6	1139.6	1150.8
32.5°	1117.2	1023.4	943.6	894.6	861.0	865.2	854.0	876.4	887.6	929.6	950.6
35°	924.0	844.2	779.8	737.8	722.4	707.0	704.2	707.0	718.2	750.4	788.2
37.5°	813.4	747.6	701.4	670.6	649.6	639.8	634.2	634.2	634.2	641.2	659.4
40°	765.8	707.0	666.4	637.0	623.0	617.4	613.2	609.0	602.0	599.2	600.6
42.5°	744.8	677.6	634.2	611.8	603.4	603.4	603.4	600.6	593.6	586.6	579.6
45°	723.8	651.0	607.6	592.2	588.0	589.4	589.4	589.4	583.8	575.4	562.8
47.5°	697.2	621.6	578.2	568.4	568.4	572.6	574.0	574.0	568.4	560.0	550.2
50°	665.0	583.8	544.6	536.2	532.0	532.0	532.0	532.0	527.8	522.2	515.2
52.5°	648.2	562.8	522.2	513.8	513.8	509.6	508.2	504.0	499.8	495.6	485.8
55°	642.6	554.4	512.4	505.4	505.4	501.2	497.0	492.8	485.8	478.8	469.0
57.5°	627.2	536.2	499.8	494.2	494.2	491.4	487.2	483.0	476.0	466.2	453.6
60°	592.2	505.4	474.6	473.2	473.2	471.8	469.0	469.0	462.0	452.2	436.8
62.5°	547.4	473.2	443.8	443.8	442.4	441.0	435.4	434.0	425.6	413.0	399.0
65°	504.0	445.2	425.6	420.0	417.2	413.0	410.2	403.2	396.2	385.0	371.0
67.5°	449.4	403.2	390.6	385.0	379.4	375.2	371.0	366.8	358.4	350.0	338.8
70°	390.6	357.0	350.0	348.6	341.6	337.4	336.0	331.8	323.4	315.0	301.0
72.5°	334.6	315.0	309.4	309.4	301.0	295.4	292.6	291.2	285.6	278.6	266.0
75°	270.2	256.2	254.8	261.8	261.8	257.6	254.8	257.6	249.2	245.0	232.4
77.5°	221.2	214.2	210.0	212.8	221.2	217.0	211.4	211.4	211.4	204.4	200.2
80°	187.6	182.0	177.8	180.6	179.2	177.8	175.0	169.4	169.4	169.4	168.0
82.5°	169.4	168.0	152.6	152.6	147.0	142.8	140.0	137.2	134.4	134.4	141.4
85°	127.4	131.6	123.2	121.8	114.8	109.2	103.6	100.8	98.0	102.2	116.2
87.5°	61.6	61.6	58.8	65.8	60.2	57.4	53.2	50.4	53.2	65.8	78.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2277.8	2276.4	2275.0	2272.2	2266.6	2265.2	2262.4	2262.4	2261.0	2258.2	2261.0
5°	2273.6	2276.4	2276.4	2275.0	2270.8	2273.6	2273.6	2277.8	2277.8	2280.6	2287.6
7.5°	2268.0	2275.0	2280.6	2284.8	2290.4	2294.6	2303.0	2315.6	2321.2	2331.0	2335.2
10°	2256.8	2269.4	2279.2	2291.8	2305.8	2321.2	2333.8	2353.4	2360.4	2374.4	2381.4
12.5°	2224.6	2245.6	2262.4	2287.6	2311.4	2335.2	2357.6	2382.8	2395.4	2410.8	2420.6
15°	2146.2	2170.0	2193.8	2216.2	2258.2	2304.4	2340.8	2374.4	2392.6	2412.2	2422.0
17.5°	2052.4	2067.8	2087.4	2116.8	2157.4	2198.0	2256.8	2304.4	2332.4	2354.8	2357.6
20°	1943.2	1965.6	1979.6	1990.8	2023.0	2051.0	2114.0	2168.6	2205.0	2231.6	2238.6
22.5°	1776.6	1800.4	1824.2	1832.6	1857.8	1894.2	1929.2	1988.0	2039.8	2079.0	2102.8
25°	1586.2	1608.6	1640.8	1666.0	1671.6	1701.0	1736.0	1803.2	1856.4	1919.4	1947.4
27.5°	1395.8	1415.4	1450.4	1464.4	1481.2	1510.6	1538.6	1594.6	1650.6	1723.4	1754.2
30°	1173.2	1215.2	1255.8	1282.4	1296.4	1331.4	1351.0	1405.6	1457.4	1510.6	1555.4
32.5°	982.8	1020.6	1066.8	1100.4	1117.2	1143.8	1174.6	1220.8	1261.4	1313.2	1365.0
35°	807.8	859.6	890.4	919.8	963.2	975.8	1006.6	1048.6	1072.4	1128.4	1187.2
37.5°	684.6	715.4	746.2	775.6	812.0	828.8	858.2	893.2	921.2	954.8	1008.0
40°	609.0	625.8	648.2	667.8	694.4	715.4	730.8	760.2	781.2	814.8	852.6
42.5°	574.0	578.2	581.0	595.0	609.0	623.0	639.8	652.4	677.6	702.8	726.6
45°	554.4	546.0	541.8	543.2	548.8	557.2	571.2	585.2	602.0	617.4	631.4
47.5°	537.6	526.4	513.8	506.8	508.2	511.0	522.2	533.4	541.8	554.4	560.0
50°	498.4	488.6	477.4	467.6	469.0	470.4	480.2	488.6	494.2	498.4	505.4
52.5°	473.2	459.2	449.4	439.6	438.2	442.4	450.8	459.2	462.0	464.8	466.2
55°	455.0	441.0	428.4	418.6	414.4	424.2	427.0	438.2	442.4	442.4	443.8
57.5°	441.0	424.2	411.6	401.8	394.8	401.8	408.8	421.4	422.8	420.0	420.0
60°	420.0	407.4	394.8	385.0	378.0	383.6	389.2	403.2	403.2	396.2	394.8
62.5°	383.6	376.6	368.2	364.0	362.6	368.2	372.4	383.6	379.4	371.0	368.2
65°	357.0	351.4	343.0	340.2	338.8	347.2	348.6	355.6	350.0	345.8	344.4
67.5°	324.8	320.6	316.4	315.0	310.8	310.8	313.6	317.8	315.0	315.0	316.4
70°	288.4	282.8	278.6	280.0	277.2	277.2	278.6	281.4	280.0	282.8	285.6
72.5°	254.8	247.8	246.4	246.4	243.6	245.0	245.0	246.4	249.2	250.6	257.6
75°	222.6	215.6	215.6	214.2	214.2	214.2	215.6	218.4	221.2	222.6	225.4
77.5°	193.2	189.0	190.4	189.0	189.0	189.0	189.0	193.2	194.6	196.0	200.2
80°	166.6	166.6	168.0	168.0	166.6	165.2	166.6	169.4	170.8	172.2	173.6
82.5°	151.2	152.6	152.6	152.6	145.6	142.8	147.0	149.8	152.6	154.0	156.8
85°	130.2	124.6	130.2	128.8	119.0	117.6	117.6	119.0	121.8	119.0	119.0
87.5°	84.0	75.6	79.8	79.8	70.0	57.4	72.8	78.4	70.0	74.2	74.2
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: P159020  
 CATALOG NUMBER: VTS-E07-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2265.2	2262.4	2263.8	2263.8	2266.6	2262.4	2268.0	2273.6	2275.0	2275.0	2276.4
5°	2294.6	2291.8	2301.6	2297.4	2307.2	2305.8	2312.8	2318.4	2321.2	2321.2	2321.2
7.5°	2340.8	2350.6	2356.2	2371.6	2373.0	2381.4	2388.4	2395.4	2392.6	2394.0	2392.6
10°	2392.6	2405.2	2419.2	2434.6	2436.0	2445.8	2457.0	2464.0	2461.2	2459.8	2455.6
12.5°	2437.4	2445.8	2462.6	2478.0	2486.4	2501.8	2513.0	2518.6	2518.6	2514.4	2510.2
15°	2434.6	2447.2	2465.4	2487.8	2503.2	2525.6	2545.2	2557.8	2559.2	2555.0	2553.6
17.5°	2373.0	2391.2	2408.0	2438.8	2466.8	2497.6	2529.8	2548.0	2564.8	2574.6	2580.2
20°	2262.4	2284.8	2308.6	2349.2	2387.0	2427.6	2465.4	2492.0	2517.2	2546.6	2581.6
22.5°	2132.2	2165.8	2199.4	2251.2	2297.4	2343.6	2387.0	2419.2	2458.4	2508.8	2574.6
25°	1979.6	2014.6	2056.6	2116.8	2175.6	2242.8	2307.2	2371.6	2447.2	2534.0	2636.2
27.5°	1799.0	1838.2	1892.8	1965.6	2032.8	2101.4	2202.2	2304.4	2427.6	2539.6	2655.8
30°	1619.8	1670.2	1729.0	1801.8	1869.0	1967.0	2067.8	2193.8	2324.0	2450.0	2588.6
32.5°	1426.6	1489.6	1562.4	1622.6	1698.2	1797.6	1898.4	2032.8	2171.4	2319.8	2472.4
35°	1240.4	1300.6	1358.0	1425.2	1500.8	1594.6	1692.6	1821.4	1996.4	2154.6	2336.6
37.5°	1051.4	1107.4	1148.0	1201.2	1267.0	1370.6	1475.6	1624.0	1789.2	1983.8	2165.8
40°	886.2	932.4	978.6	1020.6	1076.6	1174.6	1286.6	1432.2	1594.6	1783.6	1986.6
42.5°	754.6	789.6	840.0	890.4	938.0	1022.0	1127.0	1269.8	1430.8	1624.0	1827.0
45°	644.0	667.8	708.4	750.4	809.2	879.2	980.0	1125.6	1289.4	1484.0	1698.2
47.5°	564.2	575.4	603.4	646.8	701.4	770.0	856.8	988.4	1148.0	1344.0	1569.4
50°	509.6	522.2	536.2	572.6	621.6	691.6	763.0	877.8	1023.4	1215.2	1439.2
52.5°	471.8	477.4	483.0	505.4	550.2	609.0	684.6	771.4	918.4	1101.8	1303.4
55°	449.4	450.8	455.0	466.2	499.8	554.4	620.2	702.8	817.6	991.2	1197.0
57.5°	422.8	425.6	429.8	436.8	457.8	506.8	562.8	630.0	725.2	870.8	1068.2
60°	397.6	404.6	411.6	415.8	427.0	456.4	504.0	557.2	634.2	743.4	900.2
62.5°	371.0	379.4	385.0	389.2	393.4	411.6	446.6	481.6	529.2	600.6	718.2
65°	347.2	352.8	357.0	359.8	362.6	368.2	383.6	397.6	411.6	455.0	540.4
67.5°	320.6	323.4	324.8	326.2	324.8	324.8	326.2	331.8	337.4	354.2	394.8
70°	289.8	294.0	294.0	295.4	295.4	291.2	291.2	291.2	291.2	295.4	317.8
72.5°	260.4	266.0	266.0	267.4	266.0	264.6	264.6	264.6	268.8	271.6	280.0
75°	232.4	238.0	236.6	238.0	239.4	239.4	242.2	243.6	247.8	249.2	254.8
77.5°	204.4	208.6	210.0	208.6	211.4	214.2	219.8	222.6	224.0	225.4	226.8
80°	177.8	180.6	179.2	175.0	182.0	186.2	194.6	204.4	201.6	203.0	205.8
82.5°	147.0	142.8	140.0	142.8	147.0	152.6	161.0	173.6	175.0	182.0	180.6
85°	113.4	100.8	99.4	106.4	105.0	112.0	126.0	135.8	144.2	151.2	144.2
87.5°	67.2	60.2	50.4	47.6	51.8	68.6	71.4	86.8	93.8	96.6	86.8
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: P159020

CATALOG NUMBER: VTS-E07-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2403.8	2410.8	2410.8	2413.6	2417.8	2419.2	2424.8	2434.6	2436.0	2436.0	2440.2
5°	2448.6	2455.6	2455.6	2461.2	2462.6	2469.6	2476.6	2487.8	2493.4	2492.0	2510.2
7.5°	2521.4	2515.8	2511.6	2520.0	2524.2	2532.6	2546.6	2556.4	2566.2	2581.6	2606.8
10°	2583.0	2574.6	2570.4	2576.0	2578.8	2588.6	2597.0	2611.0	2634.8	2658.6	2689.4
12.5°	2633.4	2623.6	2612.4	2615.2	2619.4	2632.0	2646.0	2664.2	2699.2	2730.0	2776.2
15°	2675.4	2661.4	2650.2	2655.8	2665.6	2682.4	2706.2	2738.4	2795.8	2849.0	2910.6
17.5°	2716.0	2713.2	2709.0	2727.2	2734.2	2773.4	2808.4	2867.2	2945.6	3025.4	3113.6
20°	2755.2	2786.0	2801.4	2837.8	2860.2	2913.4	2966.6	3038.0	3137.4	3246.6	3367.0
22.5°	2809.8	2893.8	2945.6	3019.8	3057.6	3115.0	3193.4	3287.2	3397.8	3537.8	3691.8
25°	2940.0	3063.2	3166.8	3283.0	3378.2	3466.4	3560.2	3673.6	3833.2	3960.6	4162.2
27.5°	2997.4	3171.0	3326.4	3490.2	3633.0	3768.8	3917.2	4054.4	4243.4	4415.6	4659.2
30°	2942.8	3138.8	3340.4	3554.6	3763.2	3969.0	4184.6	4394.6	4613.0	4853.8	5112.8
32.5°	2842.0	3061.8	3288.6	3540.6	3799.6	4067.0	4347.0	4652.2	4960.2	5259.8	5524.4
35°	2739.8	2976.4	3228.4	3516.8	3822.0	4153.8	4501.0	4887.4	5294.8	5674.2	6020.0
37.5°	2591.4	2851.8	3140.2	3473.4	3836.0	4244.8	4691.4	5167.4	5682.6	6204.8	6658.4
40°	2412.2	2688.0	3003.0	3386.6	3822.0	4338.6	4919.6	5530.0	6192.2	6829.2	7386.4
42.5°	2248.4	2517.2	2853.2	3270.4	3785.6	4421.2	5136.6	5896.8	6680.8	7393.4	8121.4
45°	2104.2	2401.0	2738.4	3189.2	3767.4	4491.2	5297.6	6171.2	7068.6	7917.0	8776.6
47.5°	1972.6	2280.6	2658.6	3144.4	3759.0	4533.2	5409.6	6350.4	7344.4	8318.8	9317.0
50°	1836.8	2136.4	2541.0	3095.4	3738.0	4531.8	5468.4	6472.2	7537.6	8631.0	9689.4
52.5°	1691.2	1992.2	2398.2	3005.8	3693.2	4506.6	5483.8	6554.8	7690.2	8822.8	10005.8
55°	1558.2	1839.6	2245.6	2856.0	3599.4	4445.0	5448.8	6589.8	7798.0	9013.2	10228.4
57.5°	1405.6	1698.2	2084.6	2650.2	3423.0	4335.8	5349.4	6540.8	7828.8	9140.6	10404.8
60°	1195.6	1482.6	1880.2	2406.6	3147.2	4104.8	5164.6	6392.4	7730.8	9163.0	10530.8
62.5°	954.8	1202.6	1586.2	2070.6	2759.4	3742.2	4823.0	6059.2	7425.6	8953.0	10466.4
65°	709.8	875.0	1205.4	1631.0	2310.0	3196.2	4272.8	5500.6	6829.2	8369.2	10061.8
67.5°	494.2	613.2	816.2	1132.6	1680.0	2468.2	3487.4	4628.4	5906.6	7288.4	9221.8
70°	373.8	428.4	539.0	715.4	1087.8	1681.4	2535.4	3551.8	4737.6	6069.0	7890.4
72.5°	319.2	347.2	408.8	490.0	666.4	1022.0	1591.8	2444.4	3495.8	4579.4	6053.6
75°	287.0	310.8	350.0	401.8	471.8	620.2	933.8	1547.0	2315.6	3067.4	4223.8
77.5°	260.4	281.4	316.4	343.0	380.8	446.6	595.0	925.4	1387.4	1895.6	2620.8
80°	232.4	245.0	277.2	303.8	333.2	371.0	427.0	581.0	796.6	1122.8	1545.6
82.5°	198.8	208.6	232.4	268.8	291.2	306.6	323.4	385.0	477.4	609.0	858.2
85°	154.0	161.0	182.0	208.6	218.4	219.8	222.6	239.4	296.8	456.4	739.2
87.5°	78.4	86.8	109.2	117.6	99.4	107.8	109.2	116.2	154.0	250.6	254.8
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: P159020  
 CATALOG NUMBER: VTS-E07-LED-E1-SLR

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	0°
2.5°	2440.2	2444.4	2454.2	2452.8	2459.8	2459.8	2459.8	2466.8	2462.6	2466.8	2473.8	2.5°
5°	2510.2	2517.2	2531.2	2531.2	2532.6	2528.4	2536.8	2542.4	2535.4	2532.6	2534.0	5°
7.5°	2612.4	2623.6	2634.8	2646.0	2654.4	2650.2	2651.6	2639.0	2636.2	2626.4	2613.8	7.5°
10°	2711.8	2742.6	2763.6	2783.2	2784.6	2780.4	2781.8	2760.8	2756.6	2737.0	2724.4	10°
12.5°	2814.0	2853.2	2886.8	2907.8	2920.4	2923.2	2924.6	2924.6	2905.0	2888.2	2858.8	12.5°
15°	2965.2	3033.8	3085.6	3108.0	3126.2	3143.0	3147.2	3152.8	3137.4	3115.0	3110.8	15°
17.5°	3204.6	3269.0	3337.6	3397.8	3438.4	3441.2	3476.2	3473.4	3505.6	3480.4	3473.4	17.5°
20°	3488.8	3628.8	3700.2	3780.0	3826.2	3848.6	3929.8	3904.6	3928.4	3969.0	3928.4	20°
22.5°	3844.4	4022.2	4125.8	4235.0	4310.6	4365.2	4424.0	4470.2	4534.6	4565.4	4537.4	22.5°
25°	4316.2	4519.2	4642.4	4793.6	4914.0	5012.0	5114.2	5237.4	5236.0	5310.2	5362.0	25°
27.5°	4858.0	5117.0	5296.2	5562.2	5665.8	5831.0	6006.0	6196.4	6230.0	6326.6	6375.6	27.5°
30°	5367.6	5688.2	6043.8	6360.2	6718.6	6963.6	7166.6	7301.0	7504.0	7453.6	7425.6	30°
32.5°	5838.0	6265.0	6771.8	7291.2	7859.6	8247.4	8605.8	8772.4	8898.4	8631.0	8276.8	32.5°
35°	6448.4	6959.4	7539.0	8180.2	8902.6	9452.8	9822.4	9874.2	9802.8	9459.8	8873.2	35°
37.5°	7204.4	7740.6	8400.0	9077.6	9844.8	10361.4	10782.8	10858.4	10669.4	10057.6	9441.6	37.5°
40°	7950.6	8579.2	9294.6	10096.8	10892.0	11460.4	11883.2	11905.6	11597.6	10882.2	10161.2	40°
42.5°	8766.8	9454.2	10250.8	11139.8	11961.6	12537.0	12842.2	12938.8	12503.4	11586.4	10894.8	42.5°
45°	9471.0	10292.8	11180.4	12125.4	12985.0	13531.0	13841.8	13811.0	13284.6	12378.8	11568.2	45°
47.5°	10157.0	11061.4	11996.6	13000.4	13854.4	14406.0	14725.2	14697.2	14029.4	12986.4	12094.6	47.5°
50°	10767.4	11748.8	12748.4	13820.8	14672.0	15177.4	15568.0	15444.8	14600.6	13475.0	12433.4	50°
52.5°	11191.6	12286.4	13330.8	14490.0	15366.4	15845.2	16342.2	15946.0	14938.0	13774.6	12615.4	52.5°
55°	11460.4	12656.0	13745.2	15027.6	15888.6	16461.2	16781.8	16219.0	15068.2	13857.2	12678.4	55°
57.5°	11642.4	12859.0	13988.8	15338.4	16359.0	16839.2	16917.6	16228.8	14984.2	13727.0	12615.4	57.5°
60°	11732.0	12919.2	14099.4	15556.8	16689.4	16952.6	16809.8	16002.0	14694.4	13344.8	12209.4	60°
62.5°	11722.2	12843.6	14042.0	15629.6	16755.2	16788.8	16464.0	15615.6	14161.0	12542.6	11534.6	62.5°
65°	11473.0	12567.8	13718.6	15359.4	16448.6	16304.4	15895.6	14890.4	13123.6	11495.4	10985.8	65°
67.5°	10754.8	11804.8	12873.0	14474.6	15584.8	15444.8	14826.0	13465.2	11918.2	10568.6	10294.2	67.5°
70°	9553.6	10444.0	11382.0	12789.0	13953.8	13764.8	12682.6	11855.2	10724.0	9497.6	9402.4	70°
72.5°	7987.0	8661.8	9342.2	10389.4	11191.6	10805.2	10124.8	10081.4	9167.2	8230.6	8250.2	72.5°
75°	6246.8	6753.6	7071.4	7687.4	8220.8	7875.0	7915.6	8156.4	7855.4	7117.6	6878.2	75°
77.5°	4526.2	5012.0	5112.8	5478.2	5853.4	6246.8	6767.6	7334.6	7429.8	7015.4	6147.4	77.5°
80°	2962.4	3497.2	3298.4	3428.6	3956.4	4674.6	5625.2	6559.0	6879.6	6507.2	5439.0	80°
82.5°	1747.2	2496.2	2179.8	2402.4	2737.0	3362.8	4019.4	4723.6	5259.8	4863.6	4543.0	82.5°
85°	1327.2	1968.4	2084.6	2354.8	2464.0	2490.6	2605.4	2835.0	3112.2	3215.8	3207.4	85°
87.5°	691.6	1530.2	1717.8	1589.0	1482.6	1285.2	1002.4	1079.4	987.0	1349.6	1278.2	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: P159020

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2475.2	2471.0	2473.8	2475.2	2475.2	2475.2	2478.0
2532.6	2521.4	2517.2	2517.2	2515.8	2511.6	2510.2
2594.2	2574.6	2567.6	2559.2	2552.2	2548.0	2541.0
2704.8	2688.0	2653.0	2633.4	2615.2	2602.6	2591.4
2853.2	2829.4	2795.8	2770.6	2742.6	2734.2	2720.2
3082.8	3061.8	3032.4	3004.4	2987.6	2958.2	2937.2
3441.2	3399.2	3369.8	3333.4	3292.8	3232.6	3203.2
3913.0	3829.0	3770.2	3738.0	3656.8	3647.0	3575.6
4454.8	4429.6	4340.0	4300.8	4222.4	4191.6	4079.6
5265.4	5245.8	5062.4	5042.8	4922.4	4832.8	4659.2
6330.8	6169.8	5962.6	5818.4	5612.6	5381.6	5086.2
7261.8	6932.8	6616.4	6280.4	5996.2	5664.4	5329.8
7855.4	7414.4	7007.0	6662.6	6311.2	5916.4	5486.6
8376.2	7931.0	7487.2	7079.8	6654.2	6148.8	5618.2
8999.2	8556.8	8057.0	7484.4	6938.4	6319.6	5671.4
9637.6	9119.6	8495.2	7793.8	7107.8	6403.6	5661.6
10291.4	9629.2	8799.0	7999.6	7215.6	6416.2	5595.8
10822.0	9984.8	9024.4	8104.6	7238.0	6372.8	5513.2
11197.2	10213.0	9125.2	8141.0	7210.0	6304.2	5401.2
11411.4	10337.6	9150.4	8114.4	7152.6	6206.2	5279.4
11489.8	10375.4	9125.2	8059.8	7100.8	6101.2	5194.0
11481.4	10354.4	9032.8	7932.4	6962.2	5961.2	5089.0
11323.2	10159.8	8843.8	7779.8	6844.6	5896.8	5096.0
11054.4	10036.6	8787.8	7810.6	6906.2	6035.4	5317.2
10932.6	10283.0	9102.8	8118.6	7222.6	6431.6	5773.6
10864.0	10683.4	9553.6	8450.4	7597.8	6911.8	6318.2
10584.0	10798.2	9809.8	8639.4	7932.4	7393.4	6862.8
10131.8	10530.8	9615.2	8603.0	8117.2	7763.0	7058.8
9188.2	9609.6	8748.6	8066.8	7886.2	7768.6	6764.8
7443.8	7662.2	7172.2	7018.2	7085.4	7086.8	5674.2
5489.4	5357.8	5136.6	5147.8	5600.0	5530.0	4044.6
4481.4	3668.0	3354.4	3473.4	4032.0	3731.0	2541.0
4170.6	3271.8	2700.6	2728.6	3045.0	2403.8	1530.2
3372.6	2982.0	2391.2	2146.2	2083.2	1601.6	1038.8
1411.2	1297.8	966.0	870.8	714.0	436.8	198.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)