

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: P159054

Luminaire Tested: **VTS-F10-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159054  
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-F10-LED-E1-SLR-7030  
Description: VENTUS LED SITE LUMINAIRE  
(10) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (70) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

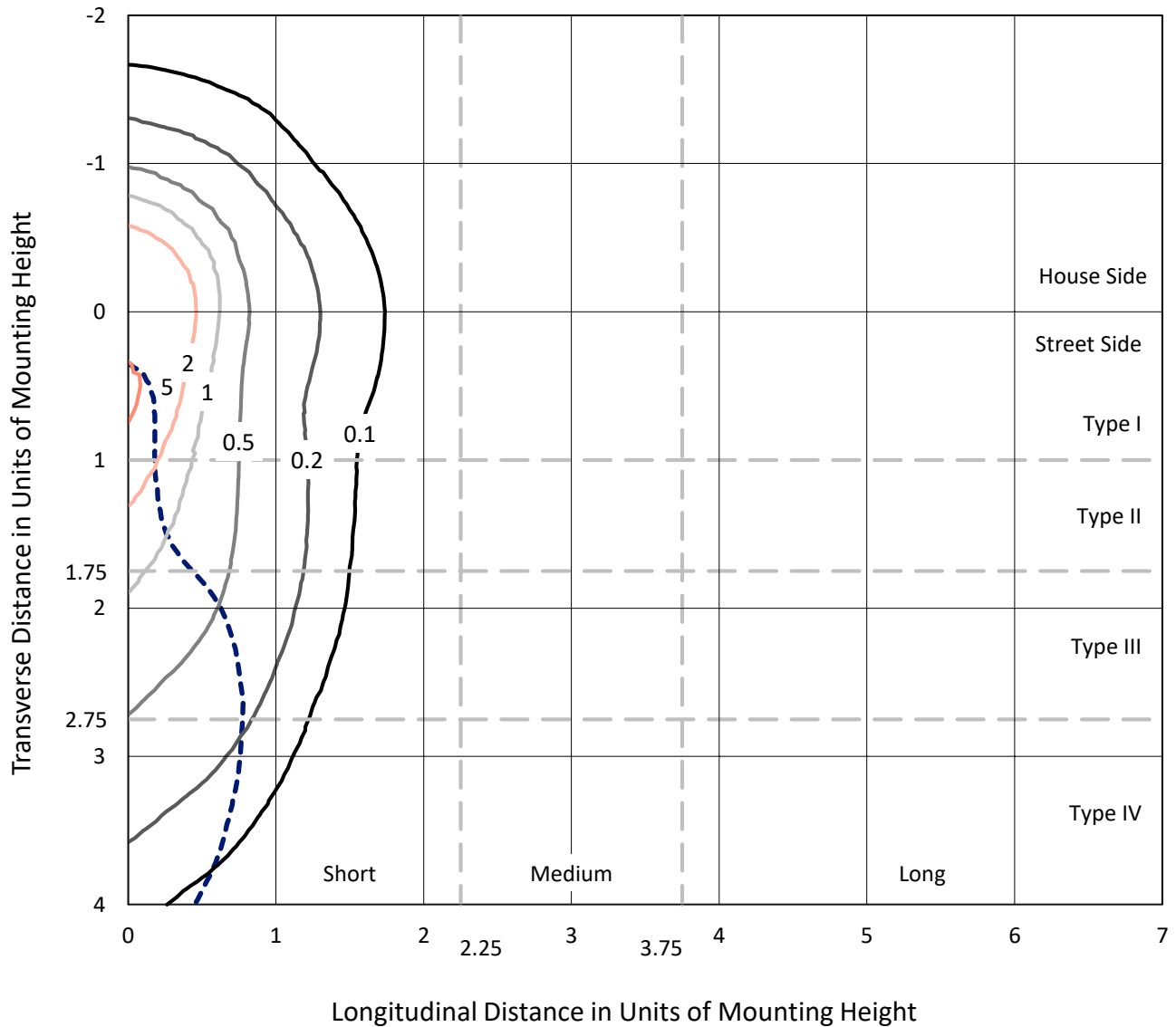
Lumens per Lamp: N/A  
Luminaire Lumens: 20261.9 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 258.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

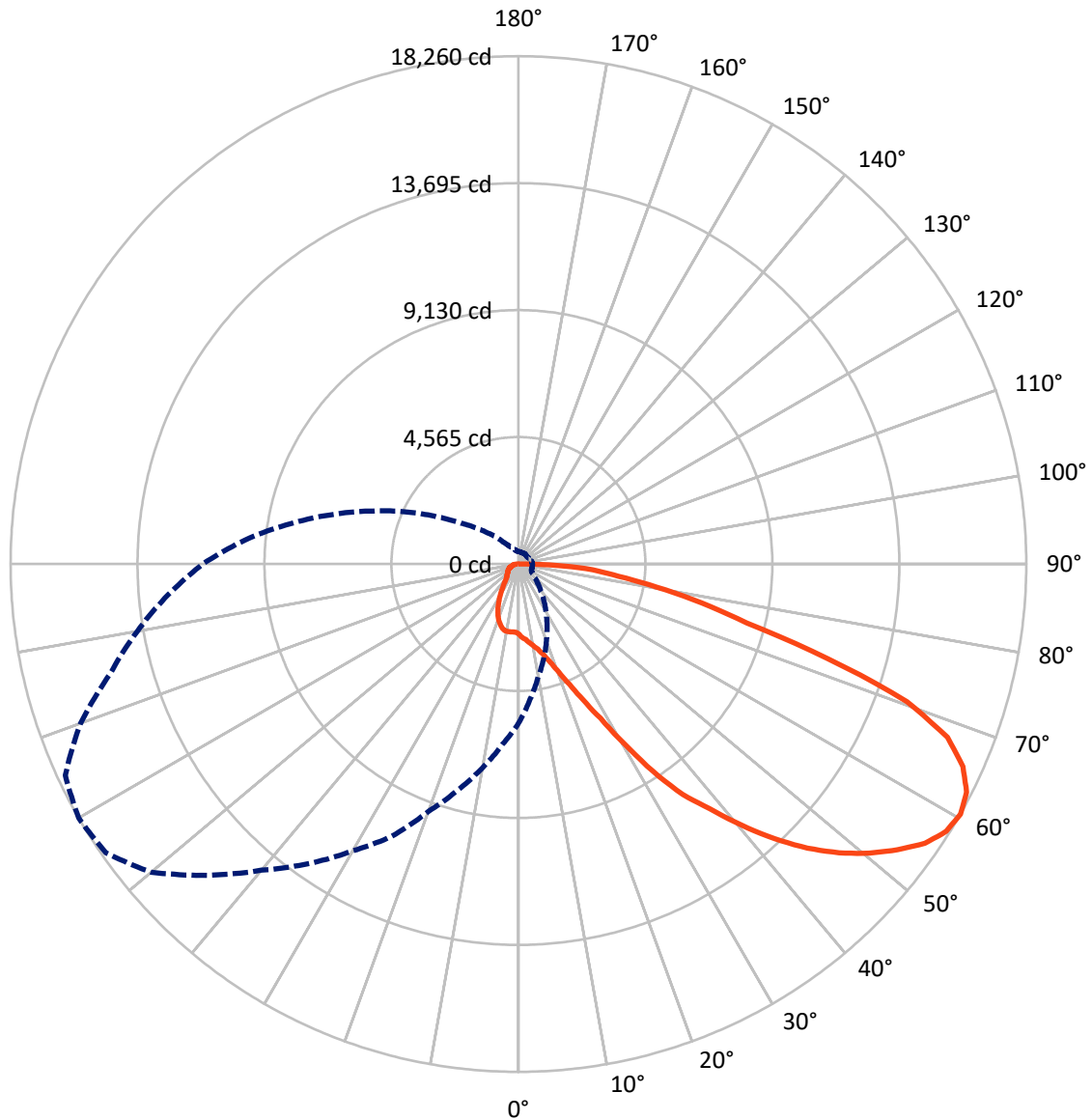
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	4562.4	0.0	4562.4
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	15699.6	0.0	15699.6
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	20261.9	0.0	20261.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	1.2
10°-20°	802.7	4.0
20°-30°	1523.2	7.5
30°-40°	2398.7	11.8
40°-50°	3348.0	16.5
50°-60°	4140.7	20.4
60°-70°	4292.1	21.2
70°-80°	2700.7	13.3
80°-90°	807.3	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°	20261.9	100.0
0°-180°	20261.9	100.0



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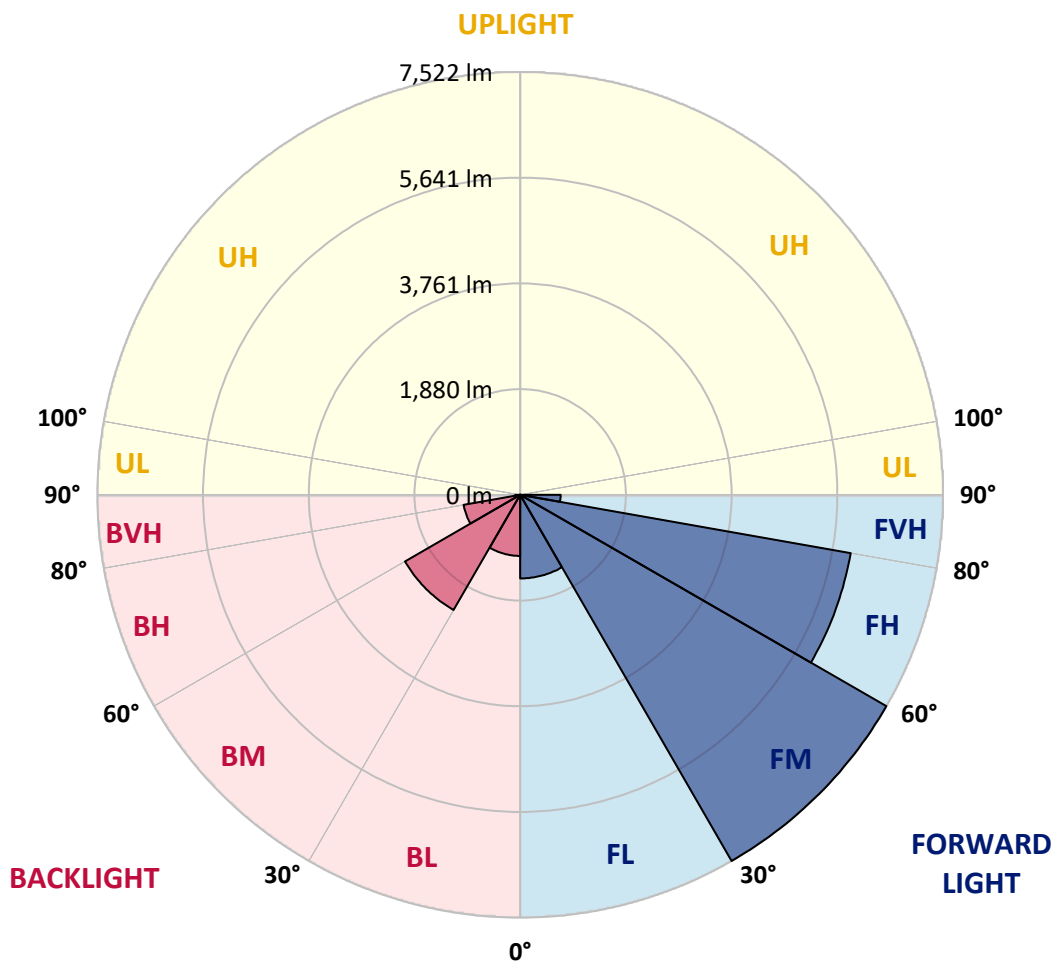
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1487.5	7.3			
FM	(30°-60°)	7521.5	37.1			
FH	(60°-80°)	5971.0	29.5			G3/7500
FVH	(80°-90°)	719.5	3.6			G4/750
BL	(0°-30°)	1086.9	5.4	B3/2500		
BM	(30°-60°)	2365.9	11.7	B2/2500		
BH	(60°-80°)	1021.8	5.0	B3/2500		G3/2500
BVH	(80°-90°)	87.8	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°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2669.1	2509.3	2512.3	2507.8	2507.8	2504.8	2507.8	2504.8	2501.8	2501.8	2503.3
5°	2703.8	2527.4	2527.4	2522.9	2519.8	2516.8	2519.8	2516.8	2515.3	2512.3	2513.8
7.5°	2737.0	2537.9	2531.9	2525.9	2518.3	2521.4	2521.4	2519.8	2521.4	2519.8	2522.9
10°	2791.3	2572.6	2557.5	2544.0	2542.5	2539.5	2539.5	2534.9	2534.9	2531.9	2533.4
12.5°	2930.0	2679.7	2663.1	2639.0	2634.5	2620.9	2613.3	2604.3	2589.2	2575.6	2565.1
15°	3163.8	2857.6	2826.0	2804.9	2795.8	2768.7	2726.4	2693.3	2649.5	2611.8	2572.6
17.5°	3450.3	3095.9	3058.2	3031.1	2985.8	2911.9	2841.0	2759.6	2675.2	2598.3	2527.4
20°	3851.4	3438.2	3364.3	3299.5	3186.4	3059.7	2927.0	2785.3	2655.6	2534.9	2430.9
22.5°	4394.3	3880.1	3742.8	3569.4	3359.8	3145.7	2934.5	2738.5	2565.1	2408.3	2269.5
25°	5018.6	4302.3	4055.0	3756.4	3435.2	3139.6	2862.2	2610.3	2408.3	2206.2	2055.4
27.5°	5478.5	4655.2	4290.2	3898.1	3488.0	3111.0	2770.2	2465.6	2221.3	2014.7	1832.2
30°	5740.9	4857.2	4418.4	3958.5	3497.0	3062.7	2654.1	2301.2	2019.2	1773.4	1598.5
32.5°	5909.8	4965.8	4432.0	3898.1	3388.4	2919.5	2477.6	2111.2	1805.1	1542.7	1357.2
35°	6051.6	5009.5	4368.6	3763.9	3183.4	2702.3	2251.4	1885.0	1560.8	1319.5	1129.5
37.5°	6108.9	5002.0	4267.6	3584.5	2982.8	2465.6	2020.7	1645.2	1355.7	1143.1	980.2
40°	6098.3	4932.6	4130.4	3393.0	2747.6	2218.2	1776.4	1446.2	1210.9	1031.5	912.3
42.5°	6027.4	4840.6	3978.1	3198.4	2531.9	2013.2	1610.5	1318.0	1128.0	992.3	888.2
45°	5938.5	4730.6	3839.3	3020.5	2361.5	1866.9	1514.0	1281.8	1117.4	987.7	876.1
47.5°	5817.8	4608.4	3699.1	2893.8	2271.0	1823.2	1512.5	1302.9	1126.5	977.2	855.0
50°	5686.6	4519.4	3622.2	2839.5	2260.5	1850.3	1565.3	1336.1	1132.5	966.6	826.4
52.5°	5594.6	4480.2	3620.7	2859.1	2316.3	1925.7	1627.1	1378.3	1155.1	972.7	820.3
55°	5481.5	4474.2	3659.9	2943.6	2438.4	2053.9	1725.1	1450.7	1201.9	995.3	824.9
57.5°	5489.1	4593.3	3812.2	3151.7	2658.6	2227.3	1850.3	1539.7	1247.1	1008.8	817.3
60°	5727.3	4870.8	4112.3	3507.6	2946.6	2430.9	1978.5	1587.9	1244.1	978.7	781.1
62.5°	6218.9	5287.0	4561.7	3925.3	3239.2	2587.7	2025.2	1574.3	1198.8	913.8	722.3
65°	6805.5	5774.1	4999.0	4249.5	3417.1	2623.9	1984.5	1498.9	1108.4	829.4	651.5
67.5°	7392.2	6119.4	5250.8	4341.5	3344.7	2477.6	1833.7	1330.0	954.6	714.8	571.5
70°	7603.3	6190.3	5231.2	4134.9	3016.0	2114.2	1509.5	1070.7	766.1	585.1	481.0
72.5°	7286.6	5746.9	4650.6	3513.6	2452.0	1639.2	1106.9	790.2	585.1	458.4	392.1
75°	6111.9	4628.0	3676.5	2646.5	1770.4	1159.6	799.2	576.1	440.3	363.4	313.7
77.5°	4356.6	3222.6	2504.8	1738.7	1149.1	803.8	573.0	432.8	349.9	291.0	254.8
80°	2737.0	1978.5	1526.1	1043.5	716.3	545.9	411.7	342.3	282.0	236.8	212.6
82.5°	1648.2	1152.1	898.8	648.4	470.5	374.0	303.1	268.4	224.7	196.0	182.5
85°	1118.9	847.5	589.6	383.0	283.5	220.2	206.6	185.5	167.4	140.2	135.7
87.5°	214.1	303.1	263.9	156.8	104.1	89.0	78.4	75.4	67.9	54.3	61.8
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°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2494.2	2491.2	2485.2	2485.2	2480.6	2471.6	2470.1	2464.1	2456.5	2458.0	2456.5
5°	2503.3	2497.2	2489.7	2486.7	2480.6	2471.6	2467.1	2459.5	2452.0	2452.0	2452.0
7.5°	2513.8	2506.3	2500.2	2489.7	2477.6	2468.6	2456.5	2447.5	2442.9	2441.4	2442.9
10°	2522.9	2518.3	2509.3	2494.2	2477.6	2459.5	2447.5	2435.4	2423.3	2424.8	2426.4
12.5°	2542.5	2527.4	2503.3	2480.6	2455.0	2432.4	2411.3	2396.2	2381.1	2381.1	2382.6
15°	2528.9	2485.2	2452.0	2408.3	2379.6	2343.4	2319.3	2305.7	2296.7	2293.6	2295.2
17.5°	2449.0	2396.2	2346.4	2307.2	2268.0	2239.4	2228.8	2219.8	2207.7	2213.7	2207.7
20°	2328.3	2263.5	2192.6	2145.9	2099.1	2079.5	2061.4	2052.4	2044.8	2072.0	2072.0
22.5°	2154.9	2076.5	2004.1	1946.8	1894.0	1872.9	1854.8	1844.3	1848.8	1882.0	1885.0
25°	1936.3	1841.3	1746.2	1711.6	1658.8	1642.2	1631.6	1630.1	1634.7	1667.8	1675.4
27.5°	1704.0	1604.5	1523.1	1443.1	1419.0	1405.4	1385.8	1408.5	1413.0	1449.2	1464.3
30°	1456.7	1349.6	1263.7	1210.9	1159.6	1167.2	1150.6	1177.7	1189.8	1227.5	1239.6
32.5°	1203.4	1102.3	1016.4	963.6	927.4	931.9	919.9	944.0	956.1	1001.3	1023.9
35°	995.3	909.3	839.9	794.7	778.1	761.5	758.5	761.5	773.6	808.3	849.0
37.5°	876.1	805.3	755.5	722.3	699.7	689.2	683.1	683.1	683.1	690.7	710.3
40°	824.9	761.5	717.8	686.1	671.1	665.0	660.5	656.0	648.4	645.4	646.9
42.5°	802.2	729.9	683.1	659.0	649.9	649.9	649.9	646.9	639.4	631.8	624.3
45°	779.6	701.2	654.5	637.9	633.4	634.9	634.9	634.9	628.8	619.8	606.2
47.5°	751.0	669.5	622.8	612.2	612.2	616.8	618.3	618.3	612.2	603.2	592.6
50°	716.3	628.8	586.6	577.6	573.0	573.0	573.0	573.0	568.5	562.5	554.9
52.5°	698.2	606.2	562.5	553.4	553.4	548.9	547.4	542.9	538.4	533.8	523.3
55°	692.2	597.2	551.9	544.4	544.4	539.9	535.3	530.8	523.3	515.7	505.2
57.5°	675.6	577.6	538.4	532.3	532.3	529.3	524.8	520.3	512.7	502.2	488.6
60°	637.9	544.4	511.2	509.7	509.7	508.2	505.2	505.2	497.6	487.1	470.5
62.5°	589.6	509.7	478.0	478.0	476.5	475.0	469.0	467.5	458.4	444.9	429.8
65°	542.9	479.5	458.4	452.4	449.4	444.9	441.8	434.3	426.8	414.7	399.6
67.5°	484.1	434.3	420.7	414.7	408.7	404.1	399.6	395.1	386.0	377.0	364.9
70°	420.7	384.5	377.0	375.5	367.9	363.4	361.9	357.4	348.3	339.3	324.2
72.5°	360.4	339.3	333.3	333.3	324.2	318.2	315.2	313.7	307.6	300.1	286.5
75°	291.0	276.0	274.5	282.0	282.0	277.5	274.5	277.5	268.4	263.9	250.3
77.5°	238.3	230.7	226.2	229.2	238.3	233.7	227.7	227.7	227.7	220.2	215.6
80°	202.1	196.0	191.5	194.5	193.0	191.5	188.5	182.5	182.5	182.5	181.0
82.5°	182.5	181.0	164.4	164.4	158.3	153.8	150.8	147.8	144.8	144.8	152.3
85°	137.2	141.8	132.7	131.2	123.7	117.6	111.6	108.6	105.6	110.1	125.2
87.5°	66.4	66.4	63.3	70.9	64.8	61.8	57.3	54.3	57.3	70.9	84.4
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°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2453.5	2452.0	2450.5	2447.5	2441.4	2439.9	2436.9	2436.9	2435.4	2432.4	2435.4
5°	2449.0	2452.0	2452.0	2450.5	2446.0	2449.0	2449.0	2453.5	2453.5	2456.5	2464.1
7.5°	2442.9	2450.5	2456.5	2461.0	2467.1	2471.6	2480.6	2494.2	2500.2	2510.8	2515.3
10°	2430.9	2444.4	2455.0	2468.6	2483.7	2500.2	2513.8	2534.9	2542.5	2557.5	2565.1
12.5°	2396.2	2418.8	2436.9	2464.1	2489.7	2515.3	2539.5	2566.6	2580.2	2596.8	2607.3
15°	2311.7	2337.4	2363.0	2387.1	2432.4	2482.1	2521.4	2557.5	2577.1	2598.3	2608.8
17.5°	2210.7	2227.3	2248.4	2280.1	2323.8	2367.5	2430.9	2482.1	2512.3	2536.4	2539.5
20°	2093.1	2117.2	2132.3	2144.4	2179.0	2209.2	2277.1	2335.9	2375.1	2403.7	2411.3
22.5°	1913.6	1939.3	1964.9	1974.0	2001.1	2040.3	2078.0	2141.3	2197.1	2239.4	2265.0
25°	1708.5	1732.7	1767.4	1794.5	1800.5	1832.2	1869.9	1942.3	1999.6	2067.5	2097.6
27.5°	1503.5	1524.6	1562.3	1577.4	1595.5	1627.1	1657.3	1717.6	1777.9	1856.3	1889.5
30°	1263.7	1308.9	1352.7	1381.3	1396.4	1434.1	1455.2	1514.0	1569.8	1627.1	1675.4
32.5°	1058.6	1099.3	1149.1	1185.3	1203.4	1232.0	1265.2	1315.0	1358.7	1414.5	1470.3
35°	870.1	925.9	959.1	990.7	1037.5	1051.1	1084.2	1129.5	1155.1	1215.4	1278.8
37.5°	737.4	770.6	803.8	835.4	874.6	892.7	924.4	962.1	992.3	1028.4	1085.8
40°	656.0	674.1	698.2	719.3	748.0	770.6	787.2	818.8	841.5	877.6	918.4
42.5°	618.3	622.8	625.8	640.9	656.0	671.1	689.2	702.7	729.9	757.0	782.6
45°	597.2	588.1	583.6	585.1	591.1	600.2	615.3	630.3	648.4	665.0	680.1
47.5°	579.1	567.0	553.4	545.9	547.4	550.4	562.5	574.5	583.6	597.2	603.2
50°	536.8	526.3	514.2	503.7	505.2	506.7	517.2	526.3	532.3	536.8	544.4
52.5°	509.7	494.6	484.1	473.5	472.0	476.5	485.6	494.6	497.6	500.7	502.2
55°	490.1	475.0	461.4	450.9	446.4	456.9	459.9	472.0	476.5	476.5	478.0
57.5°	475.0	456.9	443.3	432.8	425.3	432.8	440.3	453.9	455.4	452.4	452.4
60°	452.4	438.8	425.3	414.7	407.2	413.2	419.2	434.3	434.3	426.8	425.3
62.5°	413.2	405.6	396.6	392.1	390.6	396.6	401.1	413.2	408.7	399.6	396.6
65°	384.5	378.5	369.5	366.4	364.9	374.0	375.5	383.0	377.0	372.5	371.0
67.5°	349.9	345.3	340.8	339.3	334.8	334.8	337.8	342.3	339.3	339.3	340.8
70°	310.6	304.6	300.1	301.6	298.6	298.6	300.1	303.1	301.6	304.6	307.6
72.5°	274.5	266.9	265.4	265.4	262.4	263.9	263.9	265.4	268.4	269.9	277.5
75°	239.8	232.2	232.2	230.7	230.7	230.7	232.2	235.2	238.3	239.8	242.8
77.5°	208.1	203.6	205.1	203.6	203.6	203.6	203.6	208.1	209.6	211.1	215.6
80°	179.5	179.5	181.0	181.0	179.5	177.9	179.5	182.5	184.0	185.5	187.0
82.5°	162.9	164.4	164.4	164.4	156.8	153.8	158.3	161.4	164.4	165.9	168.9
85°	140.2	134.2	140.2	138.7	128.2	126.7	126.7	128.2	131.2	128.2	128.2
87.5°	90.5	81.4	86.0	86.0	75.4	61.8	78.4	84.4	75.4	79.9	79.9
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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CATALOG NUMBER: VTS-F10-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2439.9	2436.9	2438.4	2438.4	2441.4	2436.9	2442.9	2449.0	2450.5	2450.5	2452.0
5°	2471.6	2468.6	2479.1	2474.6	2485.2	2483.7	2491.2	2497.2	2500.2	2500.2	2500.2
7.5°	2521.4	2531.9	2537.9	2554.5	2556.0	2565.1	2572.6	2580.2	2577.1	2578.7	2577.1
10°	2577.1	2590.7	2605.8	2622.4	2623.9	2634.5	2646.5	2654.1	2651.0	2649.5	2645.0
12.5°	2625.4	2634.5	2652.5	2669.1	2678.2	2694.8	2706.8	2712.9	2712.9	2708.3	2703.8
15°	2622.4	2636.0	2655.6	2679.7	2696.3	2720.4	2741.5	2755.1	2756.6	2752.1	2750.6
17.5°	2556.0	2575.6	2593.7	2626.9	2657.1	2690.2	2724.9	2744.5	2762.6	2773.2	2779.2
20°	2436.9	2461.0	2486.7	2530.4	2571.1	2614.8	2655.6	2684.2	2711.4	2743.0	2780.7
22.5°	2296.7	2332.9	2369.0	2424.8	2474.6	2524.4	2571.1	2605.8	2648.0	2702.3	2773.2
25°	2132.3	2170.0	2215.2	2280.1	2343.4	2415.8	2485.2	2554.5	2636.0	2729.5	2839.5
27.5°	1937.8	1980.0	2038.8	2117.2	2189.6	2263.5	2372.1	2482.1	2614.8	2735.5	2860.7
30°	1744.7	1799.0	1862.4	1940.8	2013.2	2118.7	2227.3	2363.0	2503.3	2639.0	2788.3
32.5°	1536.6	1604.5	1682.9	1747.8	1829.2	1936.3	2044.8	2189.6	2338.9	2498.7	2663.1
35°	1336.1	1400.9	1462.7	1535.1	1616.6	1717.6	1823.2	1961.9	2150.4	2320.8	2516.8
37.5°	1132.5	1192.8	1236.5	1293.9	1364.7	1476.3	1589.4	1749.3	1927.2	2136.8	2332.9
40°	954.6	1004.3	1054.1	1099.3	1159.6	1265.2	1385.8	1542.7	1717.6	1921.2	2139.8
42.5°	812.8	850.5	904.8	959.1	1010.4	1100.8	1213.9	1367.7	1541.2	1749.3	1967.9
45°	693.7	719.3	763.0	808.3	871.6	947.0	1055.6	1212.4	1388.9	1598.5	1829.2
47.5°	607.7	619.8	649.9	696.7	755.5	829.4	922.9	1064.6	1236.5	1447.7	1690.5
50°	548.9	562.5	577.6	616.8	669.5	744.9	821.9	945.5	1102.3	1308.9	1550.2
52.5°	508.2	514.2	520.3	544.4	592.6	656.0	737.4	830.9	989.2	1186.8	1403.9
55°	484.1	485.6	490.1	502.2	538.4	597.2	668.0	757.0	880.7	1067.7	1289.3
57.5°	455.4	458.4	463.0	470.5	493.1	545.9	606.2	678.6	781.1	938.0	1150.6
60°	428.3	435.8	443.3	447.9	459.9	491.6	542.9	600.2	683.1	800.7	969.6
62.5°	399.6	408.7	414.7	419.2	423.7	443.3	481.0	518.7	570.0	646.9	773.6
65°	374.0	380.0	384.5	387.6	390.6	396.6	413.2	428.3	443.3	490.1	582.1
67.5°	345.3	348.3	349.9	351.4	349.9	349.9	351.4	357.4	363.4	381.5	425.3
70°	312.2	316.7	316.7	318.2	318.2	313.7	313.7	313.7	313.7	318.2	342.3
72.5°	280.5	286.5	286.5	288.0	286.5	285.0	285.0	285.0	289.5	292.5	301.6
75°	250.3	256.4	254.8	256.4	257.9	257.9	260.9	262.4	266.9	268.4	274.5
77.5°	220.2	224.7	226.2	224.7	227.7	230.7	236.8	239.8	241.3	242.8	244.3
80°	191.5	194.5	193.0	188.5	196.0	200.6	209.6	220.2	217.2	218.7	221.7
82.5°	158.3	153.8	150.8	153.8	158.3	164.4	173.4	187.0	188.5	196.0	194.5
85°	122.1	108.6	107.1	114.6	113.1	120.6	135.7	146.3	155.3	162.9	155.3
87.5°	72.4	64.8	54.3	51.3	55.8	73.9	76.9	93.5	101.0	104.1	93.5
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: P159054

CATALOG NUMBER: VTS-F10-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2.5°	2589.2	2596.8	2596.8	2599.8	2604.3	2605.8	2611.8	2622.4	2623.9	2623.9	2628.4
5°	2637.5	2645.0	2645.0	2651.0	2652.5	2660.1	2667.6	2679.7	2685.7	2684.2	2703.8
7.5°	2715.9	2709.9	2705.3	2714.4	2718.9	2727.9	2743.0	2753.6	2764.1	2780.7	2807.9
10°	2782.2	2773.2	2768.7	2774.7	2777.7	2788.3	2797.3	2812.4	2838.0	2863.7	2896.8
12.5°	2836.5	2826.0	2813.9	2816.9	2821.4	2835.0	2850.1	2869.7	2907.4	2940.6	2990.3
15°	2881.8	2866.7	2854.6	2860.7	2871.2	2889.3	2914.9	2949.6	3011.4	3068.8	3135.1
17.5°	2925.5	2922.5	2918.0	2937.6	2945.1	2987.3	3025.0	3088.4	3172.8	3258.8	3353.8
20°	2967.7	3000.9	3017.5	3056.7	3080.8	3138.1	3195.4	3272.3	3379.4	3497.0	3626.7
22.5°	3026.5	3117.0	3172.8	3252.7	3293.4	3355.3	3439.7	3540.8	3659.9	3810.7	3976.6
25°	3166.8	3299.5	3411.1	3536.2	3638.8	3733.8	3834.8	3957.0	4128.9	4266.1	4483.2
27.5°	3228.6	3415.6	3583.0	3759.4	3913.2	4059.5	4219.3	4367.1	4570.7	4756.2	5018.6
30°	3169.8	3380.9	3598.1	3828.8	4053.5	4275.1	4507.4	4733.6	4968.8	5228.2	5507.2
32.5°	3061.2	3298.0	3542.3	3813.7	4092.7	4380.7	4682.3	5011.0	5342.8	5665.5	5950.5
35°	2951.1	3206.0	3477.4	3788.1	4116.8	4474.2	4848.2	5264.4	5703.2	6111.9	6484.3
37.5°	2791.3	3071.8	3382.4	3741.3	4131.9	4572.2	5053.3	5566.0	6120.9	6683.4	7172.0
40°	2598.3	2895.3	3234.6	3647.8	4116.8	4673.3	5299.1	5956.5	6669.8	7356.0	7956.1
42.5°	2421.8	2711.4	3073.3	3522.7	4077.6	4762.2	5532.8	6351.6	7196.1	7963.7	8747.8
45°	2266.5	2586.2	2949.6	3435.2	4058.0	4837.6	5706.2	6647.2	7613.8	8527.7	9453.6
47.5°	2124.8	2456.5	2863.7	3386.9	4048.9	4882.9	5826.9	6840.2	7910.9	8960.5	10035.7
50°	1978.5	2301.2	2737.0	3334.2	4026.3	4881.4	5890.2	6971.4	8119.0	9296.7	10436.8
52.5°	1821.6	2145.9	2583.2	3237.6	3978.1	4854.2	5906.8	7060.4	8283.4	9503.3	10777.6
55°	1678.4	1981.5	2418.8	3076.3	3877.0	4787.9	5869.1	7098.1	8399.5	9708.4	11017.4
57.5°	1514.0	1829.2	2245.4	2854.6	3687.0	4670.2	5762.0	7045.3	8432.7	9845.6	11207.4
60°	1287.8	1597.0	2025.2	2592.2	3390.0	4421.4	5563.0	6885.5	8327.1	9869.8	11343.1
62.5°	1028.4	1295.4	1708.5	2230.3	2972.2	4030.8	5195.0	6526.6	7998.4	9643.6	11273.7
65°	764.5	942.5	1298.4	1756.8	2488.2	3442.7	4602.4	5924.9	7356.0	9014.7	10837.9
67.5°	532.3	660.5	879.2	1220.0	1809.6	2658.6	3756.4	4985.4	6362.2	7850.6	9933.1
70°	402.6	461.4	580.6	770.6	1171.7	1811.1	2731.0	3825.8	5103.0	6537.1	8499.0
72.5°	343.8	374.0	440.3	527.8	717.8	1100.8	1714.6	2632.9	3765.4	4932.6	6520.5
75°	309.1	334.8	377.0	432.8	508.2	668.0	1005.8	1666.3	2494.2	3304.0	4549.6
77.5°	280.5	303.1	340.8	369.5	410.2	481.0	640.9	996.8	1494.4	2041.8	2823.0
80°	250.3	263.9	298.6	327.2	358.9	399.6	459.9	625.8	858.0	1209.4	1664.8
82.5°	214.1	224.7	250.3	289.5	313.7	330.2	348.3	414.7	514.2	656.0	924.4
85°	165.9	173.4	196.0	224.7	235.2	236.8	239.8	257.9	319.7	491.6	796.2
87.5°	84.4	93.5	117.6	126.7	107.1	116.1	117.6	125.2	165.9	269.9	274.5
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: P159054  
 CATALOG NUMBER: VTS-F10-LED-E1-SLR-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	0°
2.5°	2628.4	2632.9	2643.5	2642.0	2649.5	2649.5	2649.5	2657.1	2652.5	2657.1	2664.6	2.5°
5°	2703.8	2711.4	2726.4	2726.4	2727.9	2723.4	2732.5	2738.5	2731.0	2727.9	2729.5	5°
7.5°	2813.9	2826.0	2838.0	2850.1	2859.1	2854.6	2856.1	2842.6	2839.5	2829.0	2815.4	7.5°
10°	2921.0	2954.1	2976.8	2997.9	2999.4	2994.9	2996.4	2973.8	2969.2	2948.1	2934.5	10°
12.5°	3031.1	3073.3	3109.5	3132.1	3145.7	3148.7	3150.2	3150.2	3129.1	3111.0	3079.3	12.5°
15°	3193.9	3267.8	3323.6	3347.7	3367.3	3385.4	3390.0	3396.0	3379.4	3355.3	3350.7	15°
17.5°	3451.8	3521.1	3595.0	3659.9	3703.6	3706.6	3744.3	3741.3	3776.0	3748.9	3741.3	17.5°
20°	3757.9	3908.7	3985.6	4071.6	4121.3	4145.5	4232.9	4205.8	4231.4	4275.1	4231.4	20°
22.5°	4140.9	4332.4	4444.0	4561.7	4643.1	4701.9	4765.2	4815.0	4884.4	4917.5	4887.4	22.5°
25°	4649.1	4867.8	5000.5	5163.3	5293.0	5398.6	5508.7	5641.4	5639.9	5719.8	5775.6	25°
27.5°	5232.7	5511.7	5704.7	5991.2	6102.8	6280.8	6469.3	6674.4	6710.5	6814.6	6867.4	27.5°
30°	5781.6	6127.0	6510.0	6850.8	7236.8	7500.7	7719.4	7864.2	8082.8	8028.5	7998.4	30°
32.5°	6288.3	6748.2	7294.1	7853.6	8465.8	8883.6	9269.6	9449.0	9584.8	9296.7	8915.2	32.5°
35°	6945.8	7496.2	8120.5	8811.2	9589.3	10181.9	10580.0	10635.8	10558.9	10189.5	9557.6	35°
37.5°	7760.1	8337.7	9047.9	9777.8	10604.2	11160.6	11614.5	11695.9	11492.4	10833.4	10169.9	37.5°
40°	8563.9	9240.9	10011.5	10875.6	11732.1	12344.4	12799.8	12823.9	12492.2	11721.6	10945.0	40°
42.5°	9443.0	10183.4	11041.5	11999.1	12884.2	13504.0	13832.8	13936.8	13467.8	12480.1	11735.2	42.5°
45°	10201.5	11086.7	12042.8	13060.7	13986.6	14574.7	14909.5	14876.3	14309.3	13333.6	12460.5	45°
47.5°	10940.4	11914.6	12921.9	14003.2	14923.0	15517.2	15861.0	15830.8	15111.5	13988.1	13027.5	47.5°
50°	11597.9	12655.0	13731.7	14886.8	15803.7	16348.1	16768.8	16636.1	15726.8	14514.4	13392.4	50°
52.5°	12054.8	13234.1	14359.1	15607.7	16551.7	17067.4	17602.7	17176.0	16090.2	14837.1	13588.5	52.5°
55°	12344.4	13632.2	14805.4	16186.7	17114.1	17730.9	18076.2	17470.0	16230.5	14926.1	13656.3	55°
57.5°	12540.4	13850.9	15067.8	16521.5	17620.8	18138.1	18222.5	17480.6	16140.0	14785.8	13588.5	57.5°
60°	12636.9	13915.7	15186.9	16756.8	17976.7	18260.2	18106.4	17236.3	15827.8	14374.1	13151.2	60°
62.5°	12626.4	13834.3	15125.1	16835.2	18047.6	18083.8	17733.9	16820.1	15253.3	13510.1	12424.3	62.5°
65°	12358.0	13537.2	14776.8	16544.1	17717.3	17562.0	17121.7	16038.9	14135.9	12382.1	11833.2	65°
67.5°	11584.4	12715.3	13865.9	15591.1	16786.9	16636.1	15969.6	14503.8	12837.5	11383.8	11088.2	67.5°
70°	10290.5	11249.6	12259.9	13775.5	15030.1	14826.5	13660.9	12769.6	11551.2	10230.2	10127.6	70°
72.5°	8603.1	9329.9	10062.8	11190.8	12054.8	11638.6	10905.8	10859.0	9874.3	8865.5	8886.6	72.5°
75°	6728.6	7274.5	7616.8	8280.4	8854.9	8482.4	8526.2	8785.5	8461.3	7666.6	7408.7	75°
77.5°	4875.3	5398.6	5507.2	5900.8	6304.9	6728.6	7289.6	7900.3	8002.9	7556.5	6621.6	77.5°
80°	3190.9	3767.0	3552.8	3693.1	4261.6	5035.2	6059.1	7064.9	7410.2	7009.1	5858.5	80°
82.5°	1882.0	2688.7	2347.9	2587.7	2948.1	3622.2	4329.4	5087.9	5665.5	5238.7	4893.4	82.5°
85°	1429.6	2120.2	2245.4	2536.4	2654.1	2682.7	2806.4	3053.7	3352.3	3463.8	3454.8	85°
87.5°	744.9	1648.2	1850.3	1711.6	1597.0	1384.3	1079.7	1162.7	1063.1	1453.7	1376.8	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: P159054

NUMBER: VTS-F10-LED-E1-SLR-7030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2519.8	2519.8	2519.8	2519.8	2519.8	2519.8	2519.8
2666.1	2661.6	2664.6	2666.1	2666.1	2666.1	2669.1
2727.9	2715.9	2711.4	2711.4	2709.9	2705.3	2703.8
2794.3	2773.2	2765.6	2756.6	2749.1	2744.5	2737.0
2913.4	2895.3	2857.6	2836.5	2816.9	2803.3	2791.3
3073.3	3047.6	3011.4	2984.3	2954.1	2945.1	2930.0
3320.6	3298.0	3266.3	3236.1	3218.0	3186.4	3163.8
3706.6	3661.4	3629.7	3590.5	3546.8	3481.9	3450.3
4214.8	4124.3	4061.0	4026.3	3938.9	3928.3	3851.4
4798.4	4771.3	4674.8	4632.5	4548.1	4514.9	4394.3
5671.5	5650.4	5452.9	5431.8	5302.1	5205.6	5018.6
6819.1	6645.7	6422.5	6267.2	6045.5	5796.7	5478.5
7821.9	7467.6	7126.7	6764.8	6458.7	6101.3	5740.9
8461.3	7986.3	7547.5	7176.5	6798.0	6372.8	5909.8
9022.3	8542.7	8064.7	7625.9	7167.5	6623.1	6051.6
9693.3	9216.8	8678.5	8061.7	7473.6	6807.1	6108.9
10381.0	9823.0	9150.5	8395.0	7656.0	6897.5	6098.3
11085.2	10371.9	9477.7	8616.6	7772.2	6911.1	6027.4
11656.7	10755.0	9720.5	8729.7	7796.3	6864.4	5938.5
12060.9	11000.8	9829.1	8768.9	7766.1	6790.5	5817.8
12291.6	11135.0	9856.2	8740.3	7704.3	6684.9	5686.6
12376.0	11175.7	9829.1	8681.5	7648.5	6571.8	5594.6
12367.0	11153.1	9729.5	8544.3	7499.2	6421.0	5481.5
12196.6	10943.5	9526.0	8379.9	7372.5	6351.6	5489.1
11907.1	10810.8	9465.6	8413.1	7438.9	6500.9	5727.3
11775.9	11076.2	9804.9	8744.8	7779.7	6927.7	6218.9
11702.0	11507.4	10290.5	9102.2	8183.8	7444.9	6805.5
11400.4	11631.1	10566.5	9305.8	8544.3	7963.7	7392.2
10913.3	11343.1	10356.9	9266.6	8743.3	8361.8	7603.3
9896.9	10350.8	9423.4	8689.0	8494.5	8367.8	7286.6
8018.0	8253.2	7725.4	7559.5	7631.9	7633.4	6111.9
5912.8	5771.1	5532.8	5544.9	6031.9	5956.5	4356.6
4827.1	3950.9	3613.1	3741.3	4343.0	4018.8	2737.0
4492.3	3524.2	2908.9	2939.1	3279.9	2589.2	1648.2
3632.7	3212.0	2575.6	2311.7	2243.9	1725.1	1118.9
1520.1	1397.9	1040.5	938.0	769.1	470.5	214.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)