

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: P159035

Luminaire Tested: **VTS-F08-LED-E1-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159035  
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-SLR  
Description: VENTUS LED SITE LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (56) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

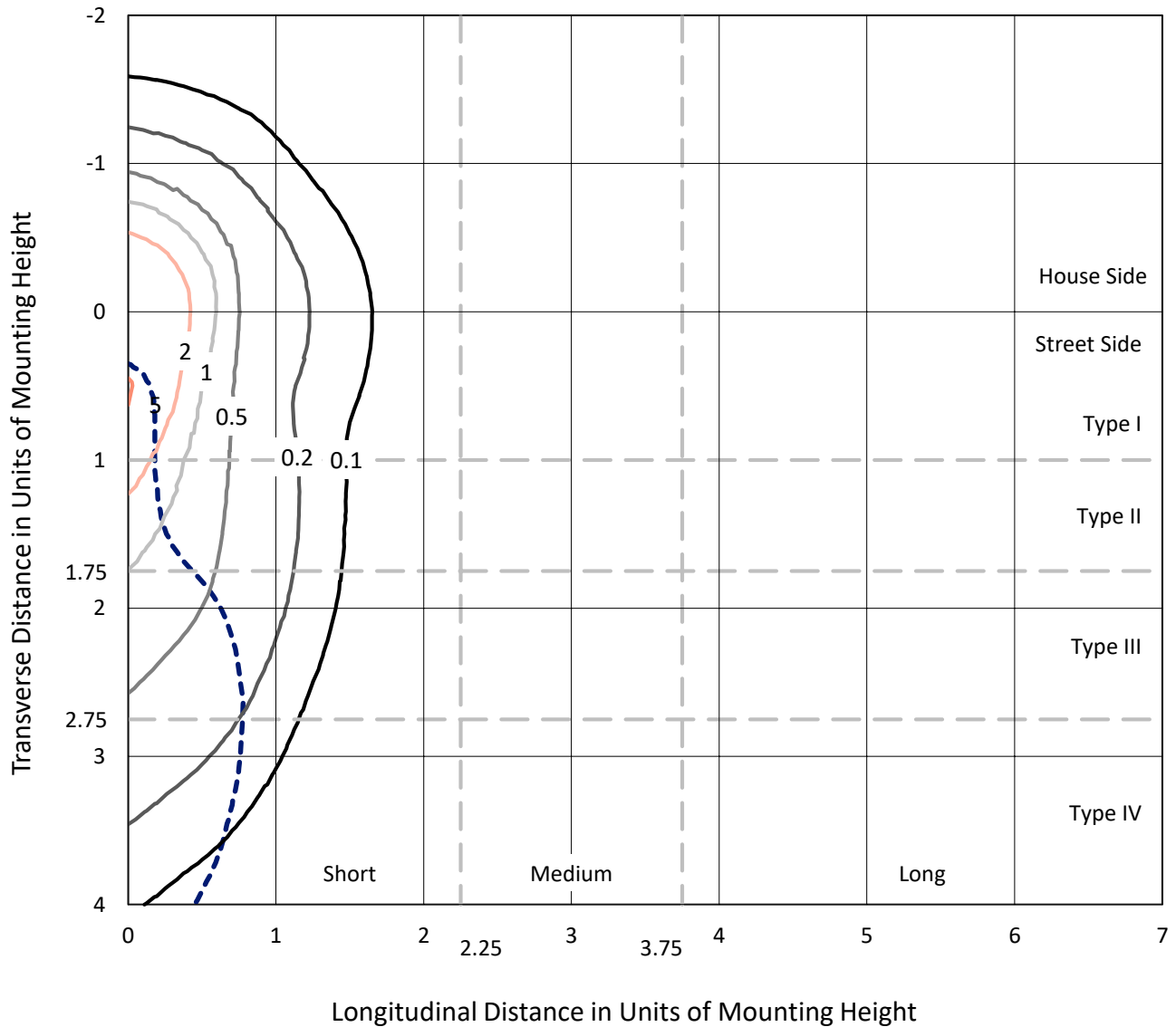
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17747.3 lumens  
Efficiency: N/A  
Efficacy: 86.8 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 (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

REPORT NUMBER: P159035  
 CATALOG NUMBER: VTS-F08-LED-E1-SLR

### Iso-Footcandle Lines of Horizontal Illumination

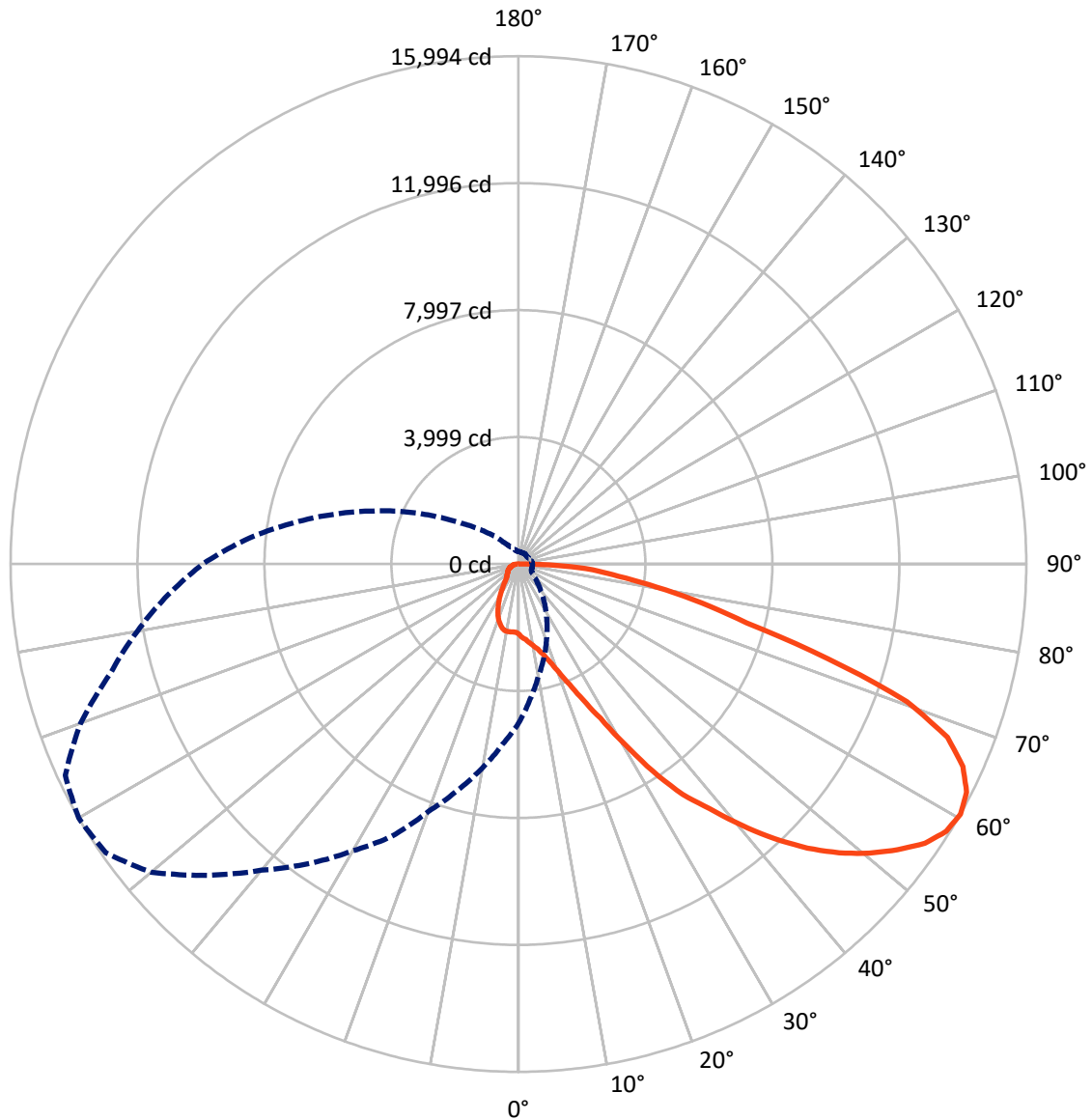
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159035  
CATALOG NUMBER: VTS-F08-LED-E1-SLR

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3996.1	0.0	3996.1
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	13751.2	0.0	13751.2
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	17747.3	0.0	17747.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.8	1.2
10°-20°	703.1	4.0
20°-30°	1334.1	7.5
30°-40°	2101.0	11.8
40°-50°	2932.5	16.5
50°-60°	3626.8	20.4
60°-70°	3759.4	21.2
70°-80°	2365.5	13.3
80°-90°	707.1	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°	17747.3	100.0
0°-180°	17747.3	100.0



REPORT NUMBER: P159035

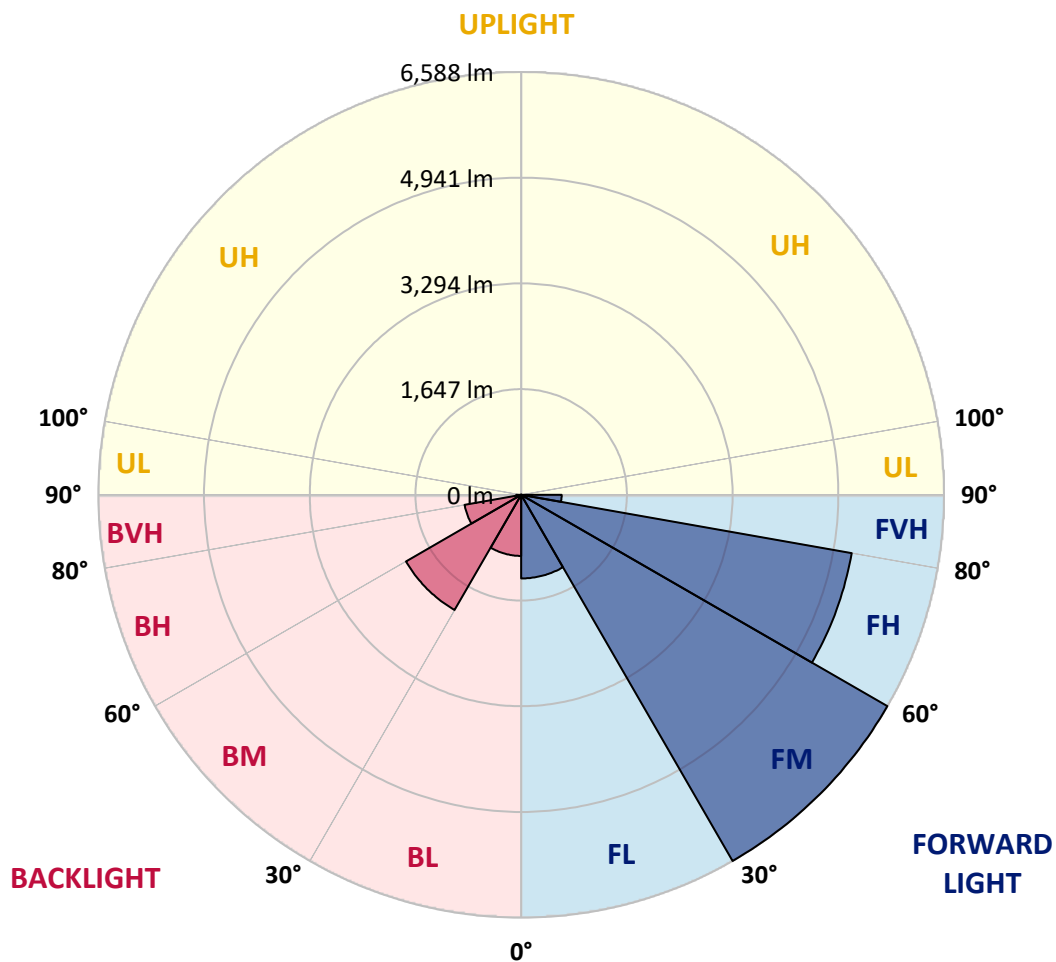
CATALOG NUMBER: VTS-F08-LED-E1-SLR

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1302.9	7.3			
FM	(30°-60°)	6588.1	37.1			
FH	(60°-80°)	5230.0	29.5			G3/7500
FVH	(80°-90°)	630.2	3.6			G4/750
BL	(0°-30°)	952.0	5.4	B2/1000		
BM	(30°-60°)	2072.2	11.7	B2/2500		
BH	(60°-80°)	895.0	5.0	B2/1000		G2/1000
BVH	(80°-90°)	76.9	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: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2337.9	2197.9	2200.5	2196.6	2196.6	2193.9	2196.6	2193.9	2191.3	2191.3	2192.6
5°	2368.3	2213.7	2213.7	2209.8	2207.1	2204.5	2207.1	2204.5	2203.2	2200.5	2201.8
7.5°	2397.3	2223.0	2217.7	2212.4	2205.8	2208.4	2208.4	2207.1	2208.4	2207.1	2209.8
10°	2444.9	2253.4	2240.1	2228.3	2226.9	2224.3	2224.3	2220.3	2220.3	2217.7	2219.0
12.5°	2566.4	2347.1	2332.6	2311.5	2307.5	2295.6	2289.0	2281.1	2267.9	2256.0	2246.7
15°	2771.1	2503.0	2475.3	2456.8	2448.8	2425.1	2388.1	2359.0	2320.7	2287.7	2253.4
17.5°	3022.1	2711.7	2678.7	2654.9	2615.3	2550.5	2488.5	2417.1	2343.2	2275.8	2213.7
20°	3373.4	3011.5	2946.8	2890.0	2790.9	2680.0	2563.8	2439.6	2326.0	2220.3	2129.2
22.5°	3848.9	3398.5	3278.3	3126.4	2942.8	2755.3	2570.4	2398.6	2246.7	2109.4	1987.9
25°	4395.8	3768.4	3551.7	3290.2	3008.9	2750.0	2507.0	2286.4	2109.4	1932.4	1800.3
27.5°	4798.6	4077.4	3757.8	3414.4	3055.1	2724.9	2426.4	2159.6	1945.6	1764.6	1604.8
30°	5028.4	4254.4	3870.1	3467.2	3063.0	2682.6	2324.7	2015.6	1768.6	1553.3	1400.1
32.5°	5176.4	4349.5	3881.9	3414.4	2967.9	2557.1	2170.1	1849.2	1581.0	1351.2	1188.8
35°	5300.5	4387.8	3826.5	3296.8	2788.3	2366.9	1972.0	1651.0	1367.1	1155.7	989.3
37.5°	5350.7	4381.2	3738.0	3139.6	2612.6	2159.6	1769.9	1441.0	1187.4	1001.2	858.5
40°	5341.5	4320.5	3617.8	2971.9	2406.6	1943.0	1555.9	1266.7	1060.6	903.5	799.1
42.5°	5279.4	4239.9	3484.4	2801.5	2217.7	1763.3	1410.7	1154.4	988.0	869.1	778.0
45°	5201.5	4143.5	3362.9	2645.6	2068.4	1635.2	1326.1	1122.7	978.7	865.2	767.4
47.5°	5095.8	4036.5	3240.0	2534.7	1989.2	1596.9	1324.8	1141.2	986.7	855.9	748.9
50°	4980.9	3958.6	3172.7	2487.1	1979.9	1620.7	1371.0	1170.3	992.0	846.7	723.8
52.5°	4900.3	3924.2	3171.3	2504.3	2028.8	1686.7	1425.2	1207.2	1011.8	851.9	718.5
55°	4801.3	3918.9	3205.7	2578.3	2135.8	1799.0	1511.0	1270.6	1052.7	871.8	722.5
57.5°	4807.9	4023.3	3339.1	2760.6	2328.6	1950.9	1620.7	1348.6	1092.3	883.6	715.9
60°	5016.5	4266.3	3601.9	3072.3	2580.9	2129.2	1732.9	1390.8	1089.7	857.2	684.2
62.5°	5447.1	4630.9	3995.5	3438.1	2837.2	2266.6	1773.9	1379.0	1050.1	800.4	632.7
65°	5961.0	5057.5	4378.6	3722.1	2993.0	2298.3	1738.2	1312.9	970.8	726.5	570.6
67.5°	6474.8	5360.0	4599.2	3802.7	2929.6	2170.1	1606.1	1165.0	836.1	626.1	500.6
70°	6659.7	5422.0	4582.0	3621.7	2641.7	1851.8	1322.2	937.8	671.0	512.5	421.3
72.5°	6382.3	5033.7	4073.5	3077.6	2147.7	1435.8	969.5	692.1	512.5	401.5	343.4
75°	5353.4	4053.7	3220.2	2318.1	1550.7	1015.7	700.0	504.6	385.7	318.3	274.7
77.5°	3815.9	2822.6	2193.9	1522.9	1006.5	704.0	501.9	379.1	306.4	254.9	223.2
80°	2397.3	1732.9	1336.7	914.0	627.4	478.1	360.6	299.8	247.0	207.4	186.2
82.5°	1443.7	1009.1	787.2	568.0	412.1	327.6	265.5	235.1	196.8	171.7	159.8
85°	980.1	742.3	516.4	335.5	248.3	192.8	181.0	162.5	146.6	122.8	118.9
87.5°	187.6	265.5	231.1	137.4	91.1	77.9	68.7	66.0	59.4	47.6	54.2
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: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2184.7	2182.0	2176.7	2176.7	2172.8	2164.9	2163.5	2158.3	2151.6	2153.0	2151.6
5°	2192.6	2187.3	2180.7	2178.1	2172.8	2164.9	2160.9	2154.3	2147.7	2147.7	2147.7
7.5°	2201.8	2195.2	2190.0	2180.7	2170.1	2162.2	2151.6	2143.7	2139.8	2138.4	2139.8
10°	2209.8	2205.8	2197.9	2184.7	2170.1	2154.3	2143.7	2133.2	2122.6	2123.9	2125.2
12.5°	2226.9	2213.7	2192.6	2172.8	2150.3	2130.5	2112.0	2098.8	2085.6	2085.6	2086.9
15°	2215.0	2176.7	2147.7	2109.4	2084.3	2052.6	2031.5	2019.6	2011.6	2009.0	2010.3
17.5°	2145.0	2098.8	2055.2	2020.9	1986.5	1961.4	1952.2	1944.3	1933.7	1939.0	1933.7
20°	2039.4	1982.6	1920.5	1879.6	1838.6	1821.4	1805.6	1797.7	1791.1	1814.8	1814.8
22.5°	1887.5	1818.8	1755.4	1705.2	1659.0	1640.5	1624.6	1615.4	1619.3	1648.4	1651.0
25°	1696.0	1612.7	1529.5	1499.2	1452.9	1438.4	1429.1	1427.8	1431.8	1460.8	1467.5
27.5°	1492.5	1405.4	1334.0	1264.0	1242.9	1231.0	1213.9	1233.7	1237.6	1269.3	1282.5
30°	1275.9	1182.2	1106.9	1060.6	1015.7	1022.3	1007.8	1031.6	1042.1	1075.2	1085.7
32.5°	1054.0	965.5	890.2	844.0	812.3	816.3	805.7	826.8	837.4	877.0	896.9
35°	871.8	796.5	735.7	696.1	681.6	667.0	664.4	667.0	677.6	708.0	743.6
37.5°	767.4	705.3	661.7	632.7	612.9	603.6	598.3	598.3	598.3	604.9	622.1
40°	722.5	667.0	628.7	601.0	587.8	582.5	578.5	574.6	568.0	565.3	566.6
42.5°	702.7	639.3	598.3	577.2	569.3	569.3	569.3	566.6	560.0	553.4	546.8
45°	682.9	614.2	573.2	558.7	554.8	556.1	556.1	556.1	550.8	542.9	531.0
47.5°	657.8	586.5	545.5	536.3	536.3	540.2	541.5	541.5	536.3	528.3	519.1
50°	627.4	550.8	513.8	505.9	501.9	501.9	501.9	501.9	498.0	492.7	486.1
52.5°	611.5	531.0	492.7	484.7	484.7	480.8	479.5	475.5	471.5	467.6	458.3
55°	606.3	523.1	483.4	476.8	476.8	472.9	468.9	464.9	458.3	451.7	442.5
57.5°	591.7	505.9	471.5	466.3	466.3	463.6	459.7	455.7	449.1	439.8	428.0
60°	558.7	476.8	447.8	446.4	446.4	445.1	442.5	442.5	435.9	426.6	412.1
62.5°	516.4	446.4	418.7	418.7	417.4	416.1	410.8	409.5	401.5	389.6	376.4
65°	475.5	420.0	401.5	396.3	393.6	389.6	387.0	380.4	373.8	363.2	350.0
67.5°	424.0	380.4	368.5	363.2	357.9	354.0	350.0	346.1	338.1	330.2	319.6
70°	368.5	336.8	330.2	328.9	322.3	318.3	317.0	313.0	305.1	297.2	284.0
72.5°	315.7	297.2	291.9	291.9	284.0	278.7	276.1	274.7	269.5	262.8	251.0
75°	254.9	241.7	240.4	247.0	247.0	243.0	240.4	243.0	235.1	231.1	219.3
77.5°	208.7	202.1	198.1	200.8	208.7	204.7	199.4	199.4	199.4	192.8	188.9
80°	177.0	171.7	167.7	170.4	169.1	167.7	165.1	159.8	159.8	159.8	158.5
82.5°	159.8	158.5	144.0	144.0	138.7	134.7	132.1	129.4	126.8	126.8	133.4
85°	120.2	124.2	116.2	114.9	108.3	103.0	97.7	95.1	92.5	96.4	109.6
87.5°	58.1	58.1	55.5	62.1	56.8	54.2	50.2	47.6	50.2	62.1	74.0
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: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2149.0	2147.7	2146.4	2143.7	2138.4	2137.1	2134.5	2134.5	2133.2	2130.5	2133.2
5°	2145.0	2147.7	2147.7	2146.4	2142.4	2145.0	2145.0	2149.0	2149.0	2151.6	2158.3
7.5°	2139.8	2146.4	2151.6	2155.6	2160.9	2164.9	2172.8	2184.7	2190.0	2199.2	2203.2
10°	2129.2	2141.1	2150.3	2162.2	2175.4	2190.0	2201.8	2220.3	2226.9	2240.1	2246.7
12.5°	2098.8	2118.6	2134.5	2158.3	2180.7	2203.2	2224.3	2248.1	2260.0	2274.5	2283.7
15°	2024.8	2047.3	2069.8	2090.9	2130.5	2174.1	2208.4	2240.1	2257.3	2275.8	2285.1
17.5°	1936.4	1950.9	1969.4	1997.1	2035.4	2073.7	2129.2	2174.1	2200.5	2221.7	2224.3
20°	1833.3	1854.5	1867.7	1878.2	1908.6	1935.0	1994.5	2046.0	2080.3	2105.4	2112.0
22.5°	1676.1	1698.6	1721.1	1729.0	1752.8	1787.1	1820.1	1875.6	1924.5	1961.4	1983.9
25°	1496.5	1517.6	1548.0	1571.8	1577.1	1604.8	1637.8	1701.2	1751.4	1810.9	1837.3
27.5°	1316.9	1335.4	1368.4	1381.6	1397.4	1425.2	1451.6	1504.4	1557.3	1626.0	1655.0
30°	1106.9	1146.5	1184.8	1209.9	1223.1	1256.1	1274.6	1326.1	1375.0	1425.2	1467.5
32.5°	927.2	962.9	1006.5	1038.2	1054.0	1079.1	1108.2	1151.8	1190.1	1238.9	1287.8
35°	762.1	811.0	840.1	867.8	908.7	920.6	949.7	989.3	1011.8	1064.6	1120.1
37.5°	645.9	674.9	704.0	731.7	766.1	781.9	809.7	842.7	869.1	900.8	951.0
40°	574.6	590.4	611.5	630.0	655.1	674.9	689.5	717.2	737.0	768.7	804.4
42.5°	541.5	545.5	548.1	561.4	574.6	587.8	603.6	615.5	639.3	663.1	685.5
45°	523.1	515.1	511.2	512.5	517.8	525.7	538.9	552.1	568.0	582.5	595.7
47.5°	507.2	496.6	484.7	478.1	479.5	482.1	492.7	503.2	511.2	523.1	528.3
50°	470.2	461.0	450.4	441.2	442.5	443.8	453.0	461.0	466.3	470.2	476.8
52.5°	446.4	433.2	424.0	414.7	413.4	417.4	425.3	433.2	435.9	438.5	439.8
55°	429.3	416.1	404.2	394.9	391.0	400.2	402.9	413.4	417.4	417.4	418.7
57.5°	416.1	400.2	388.3	379.1	372.5	379.1	385.7	397.6	398.9	396.3	396.3
60°	396.3	384.4	372.5	363.2	356.6	361.9	367.2	380.4	380.4	373.8	372.5
62.5°	361.9	355.3	347.4	343.4	342.1	347.4	351.3	361.9	357.9	350.0	347.4
65°	336.8	331.5	323.6	321.0	319.6	327.6	328.9	335.5	330.2	326.2	324.9
67.5°	306.4	302.5	298.5	297.2	293.2	293.2	295.9	299.8	297.2	297.2	298.5
70°	272.1	266.8	262.8	264.2	261.5	261.5	262.8	265.5	264.2	266.8	269.5
72.5°	240.4	233.8	232.5	232.5	229.8	231.1	231.1	232.5	235.1	236.4	243.0
75°	210.0	203.4	203.4	202.1	202.1	202.1	203.4	206.1	208.7	210.0	212.7
77.5°	182.3	178.3	179.6	178.3	178.3	178.3	178.3	182.3	183.6	184.9	188.9
80°	157.2	157.2	158.5	158.5	157.2	155.9	157.2	159.8	161.1	162.5	163.8
82.5°	142.7	144.0	144.0	144.0	137.4	134.7	138.7	141.3	144.0	145.3	147.9
85°	122.8	117.6	122.8	121.5	112.3	111.0	111.0	112.3	114.9	112.3	112.3
87.5°	79.3	71.3	75.3	75.3	66.0	54.2	68.7	74.0	66.0	70.0	70.0
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: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2137.1	2134.5	2135.8	2135.8	2138.4	2134.5	2139.8	2145.0	2146.4	2146.4	2147.7
5°	2164.9	2162.2	2171.5	2167.5	2176.7	2175.4	2182.0	2187.3	2190.0	2190.0	2190.0
7.5°	2208.4	2217.7	2223.0	2237.5	2238.8	2246.7	2253.4	2260.0	2257.3	2258.6	2257.3
10°	2257.3	2269.2	2282.4	2296.9	2298.3	2307.5	2318.1	2324.7	2322.0	2320.7	2316.8
12.5°	2299.6	2307.5	2323.4	2337.9	2345.8	2360.3	2370.9	2376.2	2376.2	2372.2	2368.3
15°	2296.9	2308.8	2326.0	2347.1	2361.7	2382.8	2401.3	2413.2	2414.5	2410.5	2409.2
17.5°	2238.8	2256.0	2271.8	2300.9	2327.3	2356.4	2386.8	2403.9	2419.8	2429.0	2434.3
20°	2134.5	2155.6	2178.1	2216.4	2252.0	2290.3	2326.0	2351.1	2374.9	2402.6	2435.6
22.5°	2011.6	2043.3	2075.0	2123.9	2167.5	2211.1	2252.0	2282.4	2319.4	2366.9	2429.0
25°	1867.7	1900.7	1940.3	1997.1	2052.6	2116.0	2176.7	2237.5	2308.8	2390.7	2487.1
27.5°	1697.3	1734.3	1785.8	1854.5	1917.9	1982.6	2077.7	2174.1	2290.3	2396.0	2505.6
30°	1528.2	1575.8	1631.2	1699.9	1763.3	1855.8	1950.9	2069.8	2192.6	2311.5	2442.2
32.5°	1345.9	1405.4	1474.1	1530.9	1602.2	1696.0	1791.1	1917.9	2048.6	2188.6	2332.6
35°	1170.3	1227.1	1281.2	1344.6	1415.9	1504.4	1596.9	1718.4	1883.5	2032.8	2204.5
37.5°	992.0	1044.8	1083.1	1133.3	1195.4	1293.1	1392.2	1532.2	1688.0	1871.6	2043.3
40°	836.1	879.7	923.3	962.9	1015.7	1108.2	1213.9	1351.2	1504.4	1682.8	1874.3
42.5°	711.9	745.0	792.5	840.1	885.0	964.2	1063.3	1198.0	1349.9	1532.2	1723.7
45°	607.6	630.0	668.3	708.0	763.4	829.5	924.6	1062.0	1216.5	1400.1	1602.2
47.5°	532.3	542.9	569.3	610.2	661.7	726.5	808.4	932.5	1083.1	1268.0	1480.7
50°	480.8	492.7	505.9	540.2	586.5	652.5	719.9	828.2	965.5	1146.5	1357.8
52.5°	445.1	450.4	455.7	476.8	519.1	574.6	645.9	727.8	866.5	1039.5	1229.7
55°	424.0	425.3	429.3	439.8	471.5	523.1	585.1	663.1	771.4	935.2	1129.3
57.5°	398.9	401.5	405.5	412.1	431.9	478.1	531.0	594.4	684.2	821.6	1007.8
60°	375.1	381.7	388.3	392.3	402.9	430.6	475.5	525.7	598.3	701.4	849.3
62.5°	350.0	357.9	363.2	367.2	371.2	388.3	421.3	454.4	499.3	566.6	677.6
65°	327.6	332.9	336.8	339.5	342.1	347.4	361.9	375.1	388.3	429.3	509.8
67.5°	302.5	305.1	306.4	307.8	306.4	306.4	307.8	313.0	318.3	334.2	372.5
70°	273.4	277.4	277.4	278.7	278.7	274.7	274.7	274.7	274.7	278.7	299.8
72.5°	245.7	251.0	251.0	252.3	251.0	249.6	249.6	249.6	253.6	256.2	264.2
75°	219.3	224.5	223.2	224.5	225.9	225.9	228.5	229.8	233.8	235.1	240.4
77.5°	192.8	196.8	198.1	196.8	199.4	202.1	207.4	210.0	211.3	212.7	214.0
80°	167.7	170.4	169.1	165.1	171.7	175.7	183.6	192.8	190.2	191.5	194.2
82.5°	138.7	134.7	132.1	134.7	138.7	144.0	151.9	163.8	165.1	171.7	170.4
85°	107.0	95.1	93.8	100.4	99.1	105.7	118.9	128.1	136.0	142.7	136.0
87.5°	63.4	56.8	47.6	44.9	48.9	64.7	67.4	81.9	88.5	91.1	81.9
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: P159035

CATALOG NUMBER: VTS-F08-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2267.9	2274.5	2274.5	2277.1	2281.1	2282.4	2287.7	2296.9	2298.3	2298.3	2302.2
5°	2310.1	2316.8	2316.8	2322.0	2323.4	2330.0	2336.6	2347.1	2352.4	2351.1	2368.3
7.5°	2378.8	2373.5	2369.6	2377.5	2381.5	2389.4	2402.6	2411.9	2421.1	2435.6	2459.4
10°	2436.9	2429.0	2425.1	2430.3	2433.0	2442.2	2450.2	2463.4	2485.8	2508.3	2537.3
12.5°	2484.5	2475.3	2464.7	2467.3	2471.3	2483.2	2496.4	2513.6	2546.6	2575.6	2619.2
15°	2524.1	2510.9	2500.3	2505.6	2514.9	2530.7	2553.2	2583.6	2637.7	2687.9	2746.0
17.5°	2562.4	2559.8	2555.8	2573.0	2579.6	2616.6	2649.6	2705.1	2779.0	2854.3	2937.5
20°	2599.4	2628.5	2643.0	2677.3	2698.5	2748.7	2798.9	2866.2	2960.0	3063.0	3176.6
22.5°	2650.9	2730.2	2779.0	2849.1	2884.7	2938.9	3012.8	3101.3	3205.7	3337.8	3483.1
25°	2773.8	2890.0	2987.7	3097.4	3187.2	3270.4	3358.9	3465.9	3616.5	3736.7	3926.9
27.5°	2827.9	2991.7	3138.3	3292.9	3427.6	3555.7	3695.7	3825.2	4003.5	4165.9	4395.8
30°	2776.4	2961.3	3151.5	3353.6	3550.4	3744.6	3948.0	4146.1	4352.2	4579.4	4823.7
32.5°	2681.3	2888.7	3102.7	3340.4	3584.8	3837.0	4101.2	4389.2	4679.7	4962.4	5212.0
35°	2584.9	2808.1	3045.9	3317.9	3605.9	3918.9	4246.5	4611.1	4995.4	5353.4	5679.6
37.5°	2444.9	2690.6	2962.6	3277.0	3619.1	4004.8	4426.1	4875.2	5361.3	5854.0	6281.9
40°	2275.8	2536.0	2833.2	3195.1	3605.9	4093.3	4641.4	5217.3	5842.1	6443.1	6968.8
42.5°	2121.3	2374.9	2691.9	3085.5	3571.6	4171.2	4846.2	5563.4	6303.0	6975.4	7662.2
45°	1985.2	2265.2	2583.6	3008.9	3554.4	4237.3	4998.1	5822.3	6668.9	7469.3	8280.3
47.5°	1861.1	2151.6	2508.3	2966.6	3546.5	4276.9	5103.7	5991.3	6929.1	7848.4	8790.2
50°	1732.9	2015.6	2397.3	2920.4	3526.6	4275.6	5159.2	6106.2	7111.4	8143.0	9141.5
52.5°	1595.6	1879.6	2262.6	2835.8	3484.4	4251.8	5173.7	6184.2	7255.4	8323.9	9440.0
55°	1470.1	1735.6	2118.6	2694.5	3395.9	4193.7	5140.7	6217.2	7357.1	8503.6	9650.1
57.5°	1326.1	1602.2	1966.7	2500.3	3229.5	4090.6	5046.9	6171.0	7386.1	8623.8	9816.5
60°	1128.0	1398.8	1773.9	2270.5	2969.2	3872.7	4872.6	6031.0	7293.7	8644.9	9935.4
62.5°	900.8	1134.6	1496.5	1953.5	2603.4	3530.6	4550.3	5716.6	7005.7	8446.8	9874.6
65°	669.7	825.5	1137.2	1538.8	2179.4	3015.5	4031.2	5189.6	6443.1	7896.0	9492.9
67.5°	466.3	578.5	770.0	1068.6	1585.0	2328.6	3290.2	4366.7	5572.6	6876.3	8700.4
70°	352.7	404.2	508.5	674.9	1026.3	1586.3	2392.0	3351.0	4469.7	5725.8	7444.3
72.5°	301.2	327.6	385.7	462.3	628.7	964.2	1501.8	2306.2	3298.1	4320.5	5711.3
75°	270.8	293.2	330.2	379.1	445.1	585.1	881.0	1459.5	2184.7	2894.0	3985.0
77.5°	245.7	265.5	298.5	323.6	359.3	421.3	561.4	873.1	1309.0	1788.4	2472.6
80°	219.3	231.1	261.5	286.6	314.4	350.0	402.9	548.1	751.6	1059.3	1458.2
82.5°	187.6	196.8	219.3	253.6	274.7	289.3	305.1	363.2	450.4	574.6	809.7
85°	145.3	151.9	171.7	196.8	206.1	207.4	210.0	225.9	280.0	430.6	697.4
87.5°	74.0	81.9	103.0	111.0	93.8	101.7	103.0	109.6	145.3	236.4	240.4
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: P159035  
 CATALOG NUMBER: VTS-F08-LED-E1-SLR

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	0°
2.5°	2302.2	2306.2	2315.4	2314.1	2320.7	2320.7	2320.7	2327.3	2323.4	2327.3	2333.9	2.5°
5°	2368.3	2374.9	2388.1	2388.1	2389.4	2389.4	2393.4	2398.6	2392.0	2389.4	2390.7	5°
7.5°	2464.7	2475.3	2485.8	2496.4	2504.3	2500.3	2501.7	2489.8	2487.1	2477.9	2466.0	7.5°
10°	2558.5	2587.5	2607.3	2625.8	2627.2	2623.2	2624.5	2604.7	2600.7	2582.2	2570.4	10°
12.5°	2654.9	2691.9	2723.6	2743.4	2755.3	2757.9	2759.2	2759.2	2740.7	2724.9	2697.2	12.5°
15°	2797.5	2862.3	2911.1	2932.3	2949.4	2965.3	2969.2	2974.5	2960.0	2938.9	2934.9	15°
17.5°	3023.4	3084.2	3148.9	3205.7	3244.0	3246.6	3279.6	3277.0	3307.4	3283.6	3277.0	17.5°
20°	3291.5	3423.6	3491.0	3566.3	3609.9	3631.0	3707.6	3683.8	3706.3	3744.6	3706.3	20°
22.5°	3627.0	3794.8	3892.5	3995.5	4066.9	4118.4	4173.9	4217.4	4278.2	4307.3	4280.8	22.5°
25°	4072.1	4263.7	4379.9	4522.6	4636.1	4728.6	4825.0	4941.3	4939.9	5009.9	5058.8	25°
27.5°	4583.3	4827.7	4996.7	5247.7	5345.4	5501.3	5666.4	5846.0	5877.7	5968.9	6015.1	27.5°
30°	5064.1	5366.6	5702.1	6000.6	6338.7	6569.9	6761.4	6888.2	7079.7	7032.2	7005.7	30°
32.5°	5507.9	5910.8	6388.9	6878.9	7415.2	7781.1	8119.2	8276.4	8395.3	8143.0	7808.8	32.5°
35°	6083.8	6565.9	7112.7	7717.7	8399.2	8918.3	9267.0	9315.9	9248.5	8924.9	8371.5	35°
37.5°	6797.0	7302.9	7925.0	8564.3	9288.1	9775.5	10173.1	10244.4	10066.1	9488.9	8907.7	37.5°
40°	7501.0	8094.1	8769.1	9525.9	10276.1	10812.4	11211.3	11232.4	10941.8	10266.9	9586.7	40°
42.5°	8271.1	8919.6	9671.2	10509.9	11285.3	11828.1	12116.1	12207.2	11796.4	10931.3	10278.8	42.5°
45°	8935.5	9710.8	10548.2	11439.8	12250.8	12765.9	13059.1	13030.1	12533.4	11678.9	10914.1	45°
47.5°	9582.7	10436.0	11318.3	12265.3	13071.0	13591.4	13892.6	13866.2	13236.1	12252.1	11410.7	47.5°
50°	10158.6	11084.5	12027.6	13039.3	13842.4	14319.2	14687.7	14571.5	13775.0	12713.1	11730.4	50°
52.5°	10558.8	11591.7	12577.0	13670.7	14497.5	14949.3	15418.2	15044.4	14093.4	12995.7	11902.1	52.5°
55°	10812.4	11940.4	12968.0	14177.9	14990.2	15530.4	15832.9	15301.9	14216.2	13073.7	11961.5	55°
57.5°	10984.1	12131.9	13197.8	14471.1	15434.0	15887.1	15961.0	15311.2	14136.9	12950.8	11902.1	57.5°
60°	11068.6	12188.7	13302.2	14677.2	15745.7	15994.1	15859.3	15097.2	13863.5	12590.2	11519.0	60°
62.5°	11059.4	12117.4	13248.0	14745.9	15807.8	15839.5	15533.1	14732.6	13360.3	11833.4	10882.4	62.5°
65°	10824.3	11857.2	12942.9	14490.9	15518.5	15382.5	14996.8	14048.5	12381.6	10845.4	10364.6	65°
67.5°	10146.7	11137.3	12145.1	13656.2	14703.6	14571.5	13987.7	12703.8	11244.3	9971.0	9712.1	67.5°
70°	9013.4	9853.5	10738.4	12065.9	13164.8	12986.5	11965.5	11184.9	10117.6	8960.6	8870.8	70°
72.5°	7535.4	8172.0	8814.0	9802.0	10558.8	10194.2	9552.3	9511.4	8648.9	7765.2	7783.7	72.5°
75°	5893.6	6371.7	6671.6	7252.7	7756.0	7429.7	7468.0	7695.2	7411.2	6715.1	6489.3	75°
77.5°	4270.3	4728.6	4823.7	5168.4	5522.4	5893.6	6384.9	6919.9	7009.7	6618.7	5799.8	77.5°
80°	2794.9	3299.5	3111.9	3234.7	3732.7	4410.3	5307.1	6188.1	6490.6	6139.3	5131.5	80°
82.5°	1648.4	2355.1	2056.5	2266.6	2582.2	3172.7	3792.1	4456.5	4962.4	4588.6	4286.1	82.5°
85°	1252.2	1857.1	1966.7	2221.7	2324.7	2349.8	2458.1	2674.7	2936.2	3034.0	3026.0	85°
87.5°	652.5	1443.7	1620.7	1499.2	1398.8	1212.5	945.7	1018.4	931.2	1273.3	1205.9	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°



IUMBER: P159035

NUMBER: VTS-F08-LED-E1-SLR

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2335.2	2331.3	2333.9	2335.2	2335.2	2335.2	2337.9
2389.4	2378.8	2374.9	2374.9	2373.5	2369.6	2368.3
2447.5	2429.0	2422.4	2414.5	2407.9	2403.9	2397.3
2551.9	2536.0	2503.0	2484.5	2467.3	2455.4	2444.9
2691.9	2669.4	2637.7	2613.9	2587.5	2579.6	2566.4
2908.5	2888.7	2860.9	2834.5	2818.7	2790.9	2771.1
3246.6	3207.0	3179.3	3144.9	3106.6	3049.8	3022.1
3691.7	3612.5	3557.0	3526.6	3450.0	3440.8	3373.4
4202.9	4179.1	4094.6	4057.6	3983.7	3954.6	3848.9
4967.7	4949.2	4776.2	4757.7	4644.1	4559.5	4395.8
5972.8	5820.9	5625.5	5489.4	5295.2	5077.3	4798.6
6851.2	6540.8	6242.3	5925.3	5657.2	5344.1	5028.4
7411.2	6995.2	6610.8	6285.9	5954.3	5581.9	5176.4
7902.6	7482.6	7063.9	6679.5	6278.0	5801.1	5300.5
8490.4	8073.0	7601.4	7061.2	6546.1	5962.3	5350.7
9092.7	8604.0	8014.9	7353.1	6705.9	6041.5	5341.5
9709.5	9084.7	8301.5	7547.3	6807.6	6053.4	5279.4
10210.1	9420.2	8514.1	7646.3	6828.7	6012.5	5201.5
10564.1	9635.5	8609.2	7680.7	6802.3	5947.7	5095.8
10766.2	9753.1	8633.0	7655.6	6748.2	5855.3	4980.9
10840.1	9788.7	8609.2	7604.1	6699.3	5756.2	4900.3
10832.2	9768.9	8522.1	7483.9	6568.5	5624.1	4801.3
10683.0	9585.3	8343.7	7339.9	6457.6	5563.4	4807.9
10429.4	9469.1	8290.9	7369.0	6515.7	5694.1	5016.5
10314.4	9701.6	8588.1	7659.6	6814.2	6067.9	5447.1
10249.7	10079.3	9013.4	7972.6	7168.2	6521.0	5961.0
9985.5	10187.6	9255.1	8150.9	7483.9	6975.4	6474.8
9558.9	9935.4	9071.5	8116.6	7658.2	7324.1	6659.7
8668.7	9066.2	8253.9	7610.7	7440.3	7329.3	6382.3
7022.9	7229.0	6766.7	6621.4	6684.8	6686.1	5353.4
5179.0	5054.9	4846.2	4856.7	5283.4	5217.3	3815.9
4228.0	3460.6	3164.7	3277.0	3804.0	3520.0	2397.3
3934.8	3086.8	2547.9	2574.3	2872.8	2267.9	1443.7
3181.9	2813.4	2256.0	2024.8	1965.4	1511.0	980.1
1331.4	1224.4	911.4	821.6	673.6	412.1	187.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)