

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: P158804

Luminaire Tested: **VTS-F07-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158804
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-F07-LED-E1-SLL-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (49) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14183.3 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

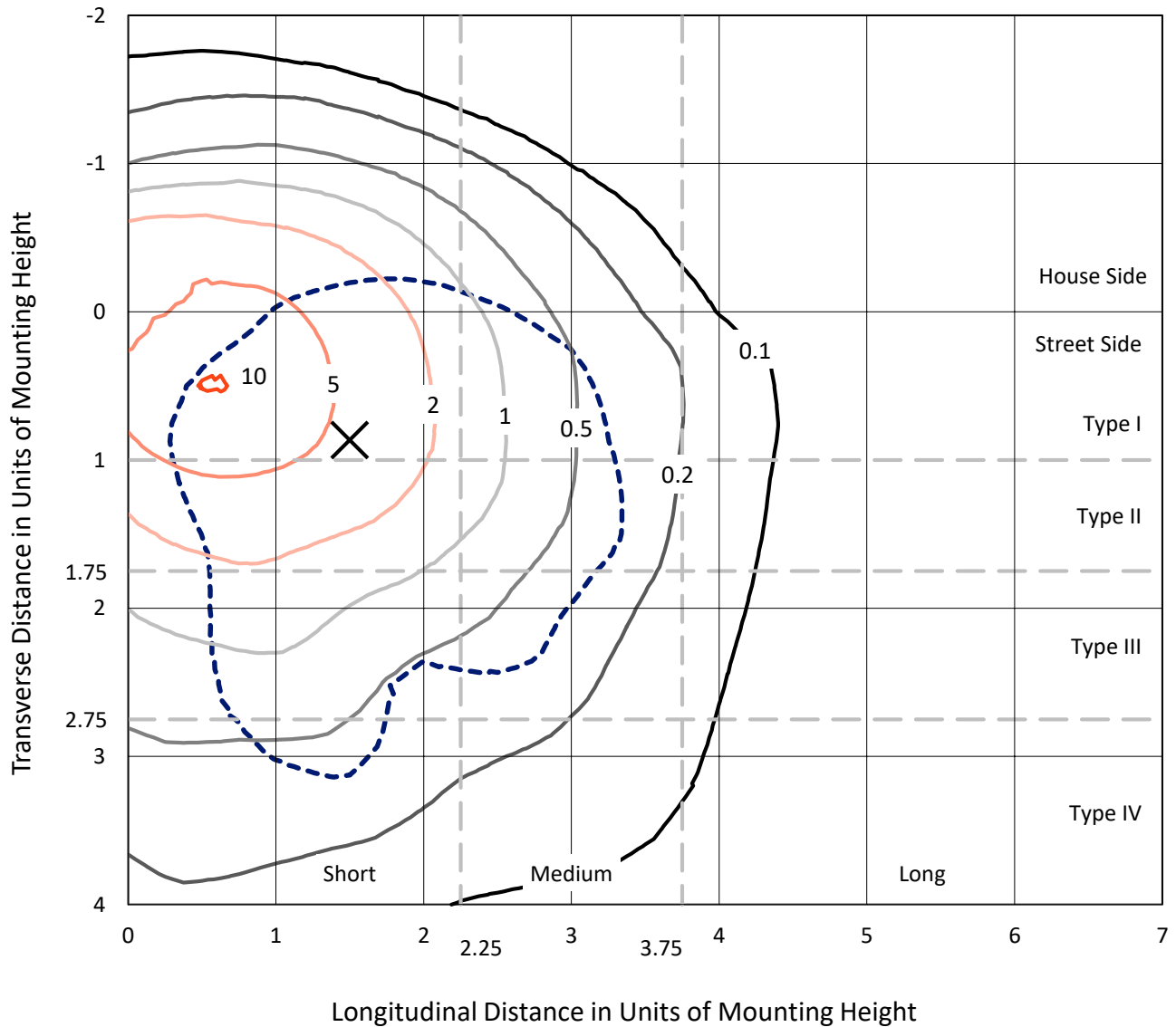
Input Watts (W): 180.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

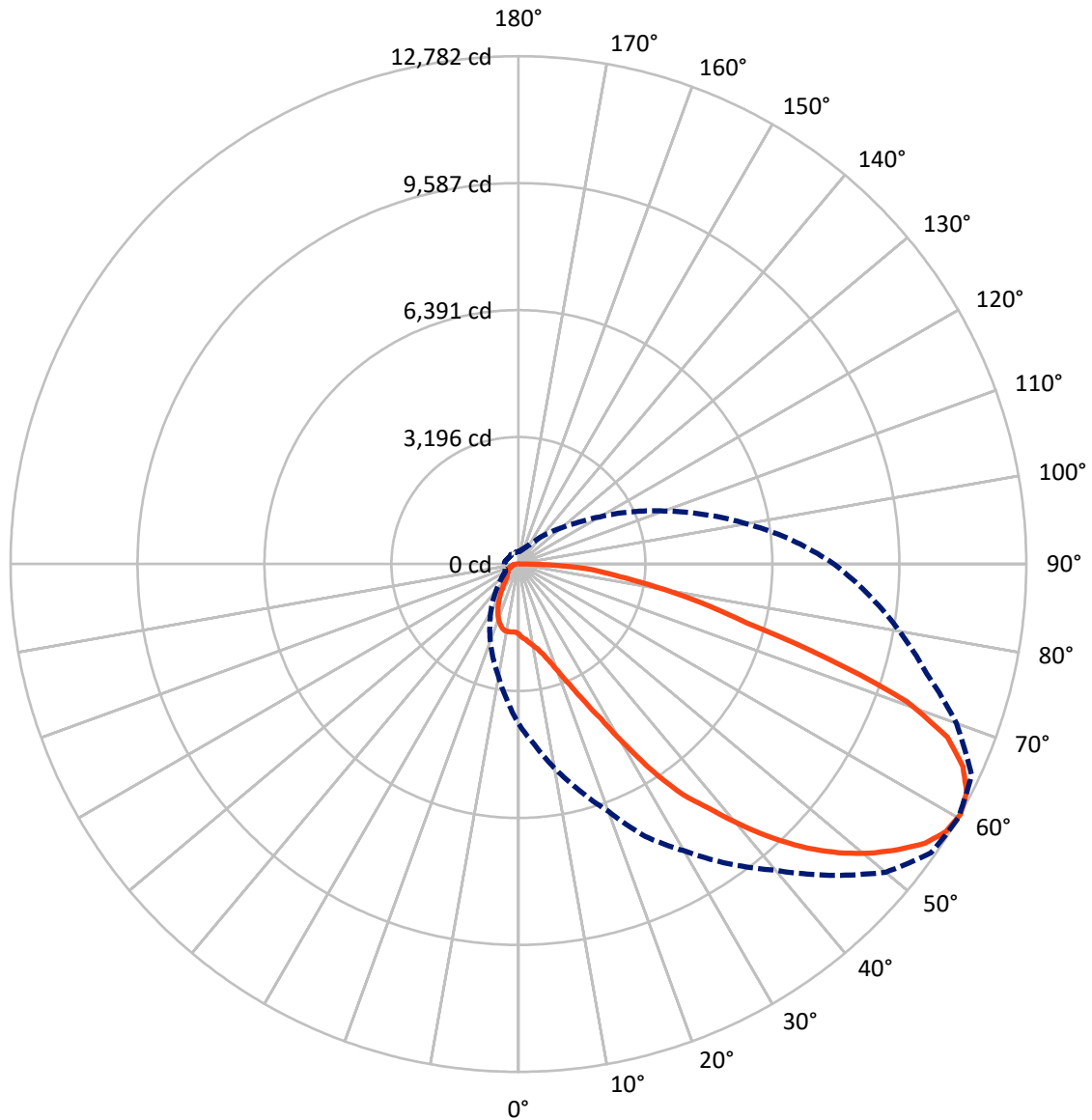
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3193.6	0.0	3193.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10989.7	0.0	10989.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	14183.3	0.0	14183.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	1.2
10°-20°	561.9	4.0
20°-30°	1066.2	7.5
30°-40°	1679.1	11.8
40°-50°	2343.6	16.5
50°-60°	2898.5	20.4
60°-70°	3004.4	21.2
70°-80°	1890.5	13.3
80°-90°	565.1	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°	14183.3	100.0
0°-180°	14183.3	100.0



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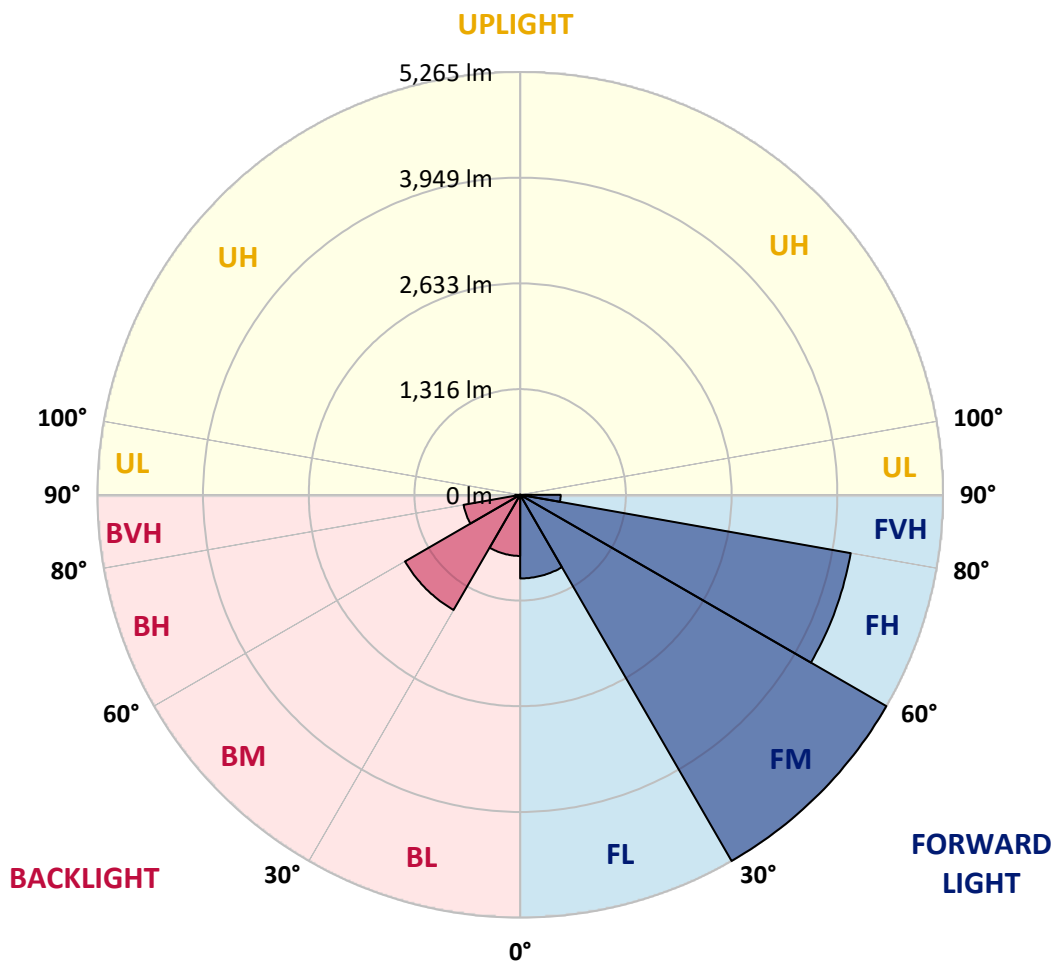
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1041.3	7.3			
FM	(30°-60°)	5265.1	37.1			
FH	(60°-80°)	4179.7	29.5			G2/5000
FVH	(80°-90°)	503.6	3.6			G4/750
BL	(0°-30°)	760.8	5.4	B2/1000		
BM	(30°-60°)	1656.1	11.7	B2/2500		
BH	(60°-80°)	715.2	5.0	B2/1000		G2/1000
BVH	(80°-90°)	61.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1868.4	1866.3	1866.3	1866.3	1865.2	1863.1	1866.3	1865.2	1860.0	1856.8	1860.0
5°	1892.7	1893.7	1896.9	1898.0	1898.0	1901.1	1909.6	1910.6	1909.6	1911.7	1917.0
7.5°	1915.9	1921.2	1924.3	1929.6	1936.0	1941.2	1956.0	1970.8	1980.3	1987.7	1989.8
10°	1953.9	1962.3	1971.8	1985.6	2000.3	2026.7	2039.4	2054.2	2063.7	2078.5	2081.6
12.5°	2051.0	2061.6	2067.9	2089.0	2108.0	2133.3	2151.3	2155.5	2177.7	2190.4	2205.1
15°	2214.6	2230.5	2252.6	2265.3	2286.4	2308.6	2324.4	2345.5	2348.7	2365.6	2377.2
17.5°	2415.2	2437.4	2482.7	2513.4	2540.8	2563.0	2594.6	2618.9	2624.2	2643.2	2618.9
20°	2696.0	2749.8	2757.2	2818.4	2842.7	2887.0	2950.4	2962.0	2992.6	2962.0	2944.0
22.5°	3076.0	3160.4	3183.7	3242.8	3272.3	3339.9	3358.9	3421.2	3442.3	3419.1	3370.5
25°	3513.0	3643.9	3711.5	3802.2	3817.0	3955.3	3970.1	4042.9	4003.9	3947.9	3949.0
27.5°	3835.0	4057.7	4231.9	4387.0	4495.8	4652.0	4773.4	4807.2	4770.2	4697.4	4672.0
30°	4018.6	4270.9	4521.1	4735.4	4988.7	5227.3	5475.3	5598.9	5620.0	5658.0	5504.9
32.5°	4136.9	4460.9	4758.6	5023.6	5283.2	5590.4	5922.9	6240.7	6507.7	6709.3	6614.3
35°	4236.1	4636.2	5017.2	5338.1	5645.3	5979.9	6315.6	6690.3	7132.6	7391.2	7445.1
37.5°	4276.2	4764.9	5231.5	5643.2	6074.9	6451.8	6785.3	7118.9	7583.4	8044.7	8187.2
40°	4268.8	4828.3	5359.2	5876.5	6405.3	6876.1	7266.7	7661.5	8205.1	8744.5	8976.7
42.5°	4219.2	4837.8	5440.5	6031.6	6634.4	7260.4	7759.6	8214.6	8736.1	9427.5	9755.8
45°	4156.9	4805.0	5457.4	6110.8	6804.3	7528.5	8159.7	8722.3	9333.5	10016.5	10413.4
47.5°	4072.5	4753.3	5436.3	6138.3	6880.3	7700.5	8442.6	9119.2	9791.7	10578.1	11081.6
50°	3980.6	4679.4	5393.0	6118.2	6899.3	7794.5	8604.1	9374.7	10160.1	11008.8	11645.3
52.5°	3916.2	4600.3	5354.0	6077.0	6880.3	7823.0	8663.2	9511.9	10386.0	11263.2	12023.2
55°	3837.1	4494.7	5249.5	5981.0	6810.7	7807.1	8656.9	9559.4	10448.2	11361.3	12229.0
57.5°	3842.4	4446.1	5160.8	5865.9	6668.2	7660.4	8537.6	9511.9	10350.1	11298.0	12236.4
60°	4009.1	4550.7	5207.2	5889.1	6625.9	7567.5	8334.9	9205.8	10061.9	11079.5	12065.4
62.5°	4353.3	4849.4	5445.8	6121.4	6863.5	7753.3	8243.1	8697.0	9457.0	10677.3	11774.1
65°	4763.9	5211.5	5728.7	6371.5	7203.4	8055.2	8191.4	8283.2	8667.5	9895.1	11227.3
67.5°	5174.5	5574.6	5981.0	6514.1	7396.5	8141.8	7980.3	7761.8	7968.7	8986.2	10152.7
70°	5322.3	5853.3	6120.3	6486.6	7249.8	7940.2	7639.3	7089.3	7161.1	8085.8	8938.7
72.5°	5100.6	5857.5	5946.1	6082.3	6596.4	7245.6	6927.8	6220.6	6205.8	6912.0	7601.3
75°	4278.3	5343.4	5342.3	5291.7	5407.8	5777.2	5612.6	5186.1	5366.6	5922.9	6149.9
77.5°	3049.6	4169.6	4222.4	3881.4	3873.0	4039.7	4139.0	4635.1	5289.6	5602.0	5530.2
80°	1915.9	2813.1	3040.1	2618.9	2529.2	2765.6	3378.9	4101.0	4906.4	5187.2	4945.4
82.5°	1153.8	1812.4	2295.9	2057.3	2036.2	2466.9	3144.6	3425.4	3667.1	3965.9	3561.6
85°	783.2	1207.6	1570.7	1618.2	1802.9	2248.4	2542.9	2418.4	2424.7	2346.6	2137.6
87.5°	149.9	329.3	538.4	656.6	728.4	978.5	1064.0	963.8	1017.6	744.2	813.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1854.7	1854.7	1854.7	1849.4	1850.5	1843.1	1839.9	1839.9	1836.7	1836.7	1835.7
5°	1912.7	1906.4	1909.6	1908.5	1908.5	1898.0	1892.7	1892.7	1879.0	1880.0	1875.8
7.5°	1999.3	1998.2	2001.4	1995.1	1986.6	1978.2	1969.7	1965.5	1946.5	1934.9	1927.5
10°	2097.5	2096.4	2099.6	2098.5	2083.7	2067.9	2044.7	2027.8	2004.6	1986.6	1968.7
12.5°	2205.1	2204.1	2202.0	2192.5	2176.6	2151.3	2121.7	2093.2	2058.4	2035.2	2008.8
15°	2373.0	2369.8	2357.1	2343.4	2326.5	2287.5	2235.7	2194.6	2148.1	2108.0	2064.7
17.5°	2621.0	2594.6	2592.5	2561.9	2516.5	2464.8	2416.2	2347.6	2281.1	2221.0	2161.9
20°	2963.0	2901.8	2884.9	2850.1	2789.9	2736.1	2630.5	2538.7	2447.9	2365.6	2290.6
22.5°	3335.7	3291.3	3250.2	3193.2	3110.8	3032.7	2898.7	2783.6	2667.5	2561.9	2478.5
25°	3856.1	3779.0	3705.1	3614.3	3500.3	3407.4	3254.4	3138.3	2986.3	2890.2	2769.9
27.5°	4528.5	4396.5	4272.0	4193.9	3993.3	3858.2	3662.9	3513.0	3329.3	3199.5	3057.0
30°	5403.6	5250.5	5065.8	4795.5	4557.0	4288.9	4047.1	3855.0	3659.7	3478.2	3313.5
32.5°	6488.7	6218.5	5926.1	5497.5	5105.9	4723.8	4401.8	4165.4	3965.9	3740.0	3507.7
35°	7406.0	7127.3	6712.5	6167.8	5684.4	5247.3	4862.1	4539.0	4278.3	3992.2	3685.1
37.5°	8130.2	7812.4	7422.9	6844.5	6333.5	5836.4	5432.1	5020.4	4678.4	4284.6	3896.2
40°	8959.9	8641.1	8212.5	7612.9	7008.1	6468.7	5994.7	5569.3	5149.2	4668.9	4169.6
42.5°	9682.9	9452.8	9019.0	8399.3	7729.0	7128.4	6610.1	6123.5	5574.6	5037.3	4446.1
45°	10436.6	10202.3	9790.6	9142.5	8429.9	7760.7	7141.1	6617.5	5969.4	5329.7	4653.0
47.5°	11102.7	10862.0	10446.1	9802.2	9045.4	8340.2	7658.3	7025.0	6272.3	5537.6	4788.2
50°	11738.2	11443.7	11062.6	10420.8	9612.2	8858.5	8118.5	7305.7	6507.7	5683.3	4880.0
52.5°	12321.9	11947.2	11586.2	10925.4	10051.3	9263.9	8438.4	7544.3	6652.3	5798.4	4942.3
55°	12653.4	12411.6	11979.9	11330.7	10363.8	9542.5	8641.1	7712.1	6795.9	5879.6	4968.7
57.5°	12755.8	12696.6	12334.6	11565.1	10547.5	9695.6	8778.3	7845.2	6892.0	5902.9	4931.7
60°	12674.5	12782.1	12583.7	11729.7	10630.9	9741.0	8845.9	7940.2	6908.8	5829.0	4819.8
62.5°	12413.7	12658.6	12633.3	11784.6	10587.6	9684.0	8838.5	7891.6	6750.5	5598.9	4568.6
65°	11985.2	12293.4	12402.1	11580.9	10343.7	9476.0	8650.6	7586.5	6310.3	5149.2	4147.4
67.5°	11178.7	11645.3	11750.8	10913.8	9706.2	8900.7	8109.0	6953.2	5495.4	4453.5	3489.8
70°	9562.6	10378.6	10521.1	9642.8	8582.0	7874.7	7203.4	5949.3	4576.0	3572.1	2678.0
72.5°	7634.0	8147.1	8438.4	7833.5	7044.0	6530.9	6022.1	4564.4	3452.8	2635.8	1843.1
75°	5968.3	5937.7	6198.4	5796.2	5331.8	5092.2	4710.0	3184.7	2312.8	1745.9	1166.4
77.5°	5102.7	4710.0	4413.4	4130.5	3855.0	3779.0	3412.7	1976.1	1429.3	1046.1	697.7
80°	4241.4	3524.6	2983.1	2585.1	2487.0	2636.9	2233.6	1165.4	846.6	600.6	438.1
82.5°	3030.6	2535.5	2063.7	1811.4	1643.6	1882.1	1317.4	647.1	459.2	360.0	290.3
85°	1964.5	1877.9	1857.8	1775.5	1571.8	1484.2	1000.7	557.4	344.1	223.8	180.5
87.5°	755.8	969.0	1117.9	1198.1	1295.2	1153.8	521.5	192.1	189.0	116.1	87.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1828.3	1824.1	1823.0	1819.8	1817.7	1817.7	1812.4	1716.4	1715.3	1715.3	1714.3
5°	1867.3	1862.1	1856.8	1855.7	1851.5	1851.5	1846.2	1750.2	1750.2	1750.2	1748.1
7.5°	1920.1	1909.6	1903.2	1900.1	1893.7	1896.9	1901.1	1804.0	1805.1	1804.0	1806.1
10°	1958.1	1951.8	1944.4	1942.3	1938.1	1941.2	1947.6	1851.5	1854.7	1855.7	1857.8
12.5°	1995.1	1984.5	1975.0	1971.8	1969.7	1978.2	1985.6	1892.7	1895.8	1899.0	1899.0
15°	2040.5	2022.5	2009.8	2002.5	1998.2	2006.7	2017.2	1925.4	1926.5	1929.6	1928.6
17.5°	2117.5	2091.1	2061.6	2056.3	2042.6	2045.7	2047.8	1945.5	1941.2	1933.8	1921.2
20°	2236.8	2196.7	2156.6	2139.7	2112.2	2100.6	2077.4	1946.5	1920.1	1898.0	1879.0
22.5°	2407.8	2348.7	2305.4	2276.9	2221.0	2181.9	2118.6	1941.2	1891.6	1853.6	1824.1
25°	2684.4	2613.6	2547.1	2475.4	2387.7	2309.6	2216.7	1987.7	1910.6	1845.2	1788.2
27.5°	2953.5	2841.7	2739.3	2631.6	2508.1	2390.9	2260.0	2002.5	1914.8	1830.4	1737.5
30°	3155.2	2992.6	2837.4	2680.1	2518.6	2366.6	2218.9	1951.8	1847.3	1752.3	1654.1
32.5°	3277.6	3066.5	2864.9	2669.6	2479.6	2308.6	2142.8	1864.2	1749.1	1637.2	1532.7
35°	3393.7	3131.9	2881.8	2651.6	2434.2	2244.2	2065.8	1761.8	1624.6	1505.3	1373.3
37.5°	3537.3	3200.6	2892.3	2618.9	2367.7	2150.2	1953.9	1633.0	1495.8	1349.0	1224.5
40°	3709.3	3271.3	2881.8	2553.5	2264.2	2026.7	1818.8	1497.9	1344.8	1202.3	1079.9
42.5°	3873.0	3333.6	2854.3	2465.9	2151.3	1898.0	1695.3	1377.5	1224.5	1078.8	957.4
45°	3994.4	3386.3	2840.6	2404.6	2064.7	1810.3	1586.6	1280.4	1118.9	972.2	848.7
47.5°	4078.8	3418.0	2834.3	2370.9	2004.6	1719.6	1487.3	1183.3	1013.4	865.6	745.2
50°	4123.1	3416.9	2818.4	2333.9	1915.9	1610.8	1384.9	1085.1	916.3	771.6	661.9
52.5°	4134.7	3397.9	2784.6	2266.4	1808.2	1502.1	1275.2	982.8	830.8	692.5	581.6
55°	4108.4	3351.5	2713.9	2153.4	1693.2	1387.0	1174.9	902.5	747.4	616.5	529.9
57.5°	4033.4	3269.2	2580.9	1998.2	1571.8	1280.4	1059.8	805.4	656.6	546.8	475.0
60°	3894.1	3095.0	2373.0	1814.6	1417.7	1117.9	901.5	678.7	560.5	478.2	420.1
62.5°	3636.5	2821.6	2080.6	1561.2	1196.0	906.8	719.9	541.5	452.8	399.0	363.1
65°	3221.7	2409.9	1741.7	1229.8	908.9	659.7	535.2	407.5	343.1	310.3	299.8
67.5°	2629.5	1861.0	1266.7	854.0	615.4	462.3	372.6	297.7	267.1	254.4	250.2
70°	1911.7	1267.8	820.2	539.4	406.4	323.0	281.8	239.6	222.7	219.6	219.6
72.5°	1200.2	770.6	502.5	369.5	308.2	261.8	240.7	211.1	204.8	202.7	199.5
75°	704.1	467.6	355.7	303.0	263.9	234.3	216.4	192.1	187.9	186.8	183.7
77.5°	448.6	336.7	287.1	258.6	238.6	212.2	196.3	171.0	170.0	168.9	167.8
80°	322.0	279.7	251.2	229.1	209.0	184.7	175.2	155.2	153.1	152.0	154.1
82.5°	243.8	231.2	219.6	202.7	175.2	157.3	149.9	136.2	137.2	131.9	130.9
85°	167.8	165.7	164.7	157.3	137.2	121.4	116.1	108.7	114.0	108.7	102.4
87.5°	82.3	81.3	74.9	88.7	82.3	65.4	59.1	65.4	72.8	70.7	65.4
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: P158804

CATALOG NUMBER: VTS-F07-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1710.1	1705.8	1709.0	1706.9	1706.9	1705.8	1707.9	1704.8	1702.7	1704.8	1705.8
5°	1743.8	1738.6	1739.6	1732.2	1735.4	1728.0	1730.1	1724.8	1719.6	1717.4	1717.4
7.5°	1800.8	1795.6	1789.2	1788.2	1776.6	1772.3	1764.9	1760.7	1757.6	1750.2	1745.9
10°	1852.6	1844.1	1836.7	1835.7	1824.1	1813.5	1804.0	1795.6	1790.3	1779.7	1774.4
12.5°	1894.8	1886.3	1874.7	1868.4	1856.8	1844.1	1837.8	1825.1	1817.7	1806.1	1796.6
15°	1919.1	1904.3	1887.4	1875.8	1858.9	1845.2	1835.7	1826.2	1818.8	1804.0	1790.3
17.5°	1907.5	1883.2	1860.0	1838.8	1815.6	1802.9	1789.2	1777.6	1775.5	1758.6	1737.5
20°	1858.9	1830.4	1799.8	1771.3	1740.7	1722.7	1705.8	1687.9	1682.6	1662.6	1635.1
22.5°	1799.8	1767.1	1732.2	1697.4	1658.3	1633.0	1607.7	1585.5	1567.6	1538.0	1498.9
25°	1739.6	1691.1	1640.4	1596.1	1550.7	1519.0	1492.6	1468.3	1447.2	1399.7	1359.6
27.5°	1660.4	1584.4	1532.7	1482.0	1427.2	1386.0	1356.4	1322.7	1299.4	1244.5	1202.3
30°	1559.1	1483.1	1409.2	1358.5	1303.7	1259.3	1221.3	1172.8	1139.0	1098.9	1059.8
32.5°	1431.4	1355.4	1280.4	1223.4	1178.0	1123.1	1075.6	1029.2	990.1	951.1	920.5
35°	1276.2	1202.3	1131.6	1074.6	1023.9	980.6	935.3	895.1	850.8	808.6	790.6
37.5°	1112.6	1033.4	955.3	905.7	865.6	835.0	792.7	760.0	719.9	694.6	673.5
40°	970.1	885.6	811.7	769.5	737.9	703.0	668.2	642.9	614.4	589.0	573.2
42.5°	849.8	770.6	707.2	671.4	633.4	595.4	569.0	547.9	529.9	510.9	491.9
45°	738.9	662.9	610.1	565.8	534.1	503.5	485.6	476.1	465.5	453.9	441.2
47.5°	646.0	580.6	528.9	487.7	455.0	433.8	425.4	422.2	418.0	408.5	402.2
50°	575.3	521.5	468.7	431.7	404.3	393.7	384.2	381.1	375.8	372.6	368.4
52.5°	516.2	459.2	414.8	381.1	364.2	360.0	355.7	351.5	350.5	348.3	346.2
55°	467.6	418.0	376.8	351.5	343.1	339.9	338.8	334.6	333.6	333.6	330.4
57.5°	424.3	382.1	345.2	329.3	324.1	320.9	318.8	316.7	316.7	318.8	317.7
60°	380.0	344.1	322.0	313.5	310.3	305.1	299.8	297.7	298.7	304.0	304.0
62.5°	336.7	310.3	296.6	293.5	290.3	286.1	279.7	277.6	279.7	286.1	289.2
65°	289.2	277.6	273.4	271.3	269.2	266.0	261.8	259.7	260.7	263.9	268.1
67.5°	246.0	244.9	244.9	246.0	244.9	243.8	241.7	238.6	237.5	237.5	239.6
70°	219.6	219.6	222.7	222.7	221.7	221.7	218.5	215.3	213.2	211.1	212.2
72.5°	199.5	199.5	200.6	201.6	200.6	200.6	196.3	194.2	189.0	187.9	185.8
75°	182.6	180.5	180.5	179.5	178.4	179.5	175.2	170.0	167.8	166.8	164.7
77.5°	165.7	161.5	159.4	157.3	158.3	157.3	154.1	150.9	147.8	146.7	145.7
80°	146.7	140.4	137.2	131.9	135.1	136.2	134.1	130.9	129.8	128.8	127.7
82.5°	121.4	115.1	110.8	107.7	105.6	107.7	110.8	118.2	116.1	115.1	112.9
85°	95.0	84.4	79.2	80.2	74.9	76.0	85.5	89.7	89.7	91.8	89.7
87.5°	53.8	51.7	39.1	35.9	38.0	45.4	50.7	55.9	55.9	52.8	59.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VTS-F07-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1705.8	1707.9	1709.0	1713.2	1715.3	1716.4	1717.4	1719.6	1720.6	1719.6	1724.8
5°	1714.3	1714.3	1712.2	1715.3	1716.4	1716.4	1714.3	1716.4	1716.4	1716.4	1721.7
7.5°	1736.4	1730.1	1726.9	1722.7	1719.6	1715.3	1710.1	1710.1	1709.0	1710.1	1713.2
10°	1759.7	1750.2	1738.6	1728.0	1718.5	1711.1	1701.6	1698.4	1697.4	1696.3	1704.8
12.5°	1777.6	1760.7	1742.8	1724.8	1705.8	1693.2	1677.3	1667.8	1666.8	1666.8	1677.3
15°	1764.9	1737.5	1702.7	1671.0	1654.1	1636.2	1618.2	1606.6	1605.6	1607.7	1614.0
17.5°	1701.6	1657.3	1626.7	1596.1	1573.9	1559.1	1547.5	1545.4	1549.6	1545.4	1553.8
20°	1593.9	1546.4	1525.3	1501.1	1492.6	1482.0	1465.2	1450.4	1450.4	1431.4	1436.7
22.5°	1454.6	1428.2	1400.8	1381.8	1375.4	1357.5	1339.5	1319.5	1317.4	1294.2	1291.0
25°	1308.9	1282.5	1260.4	1256.2	1237.2	1212.9	1196.0	1172.8	1167.5	1144.3	1141.1
27.5°	1160.1	1139.0	1116.8	1104.1	1093.6	1067.2	1052.4	1025.0	1014.4	989.1	985.9
30°	1018.6	1003.9	977.5	966.9	946.9	916.3	884.6	867.7	859.3	832.9	824.4
32.5°	885.6	862.4	842.4	829.7	804.4	769.5	741.0	716.7	700.9	669.2	660.8
35°	759.0	735.7	726.2	693.5	671.4	648.1	609.1	594.3	565.8	541.5	533.1
37.5°	647.1	624.9	612.2	584.8	562.6	539.4	516.2	497.2	483.5	478.2	478.2
40°	551.0	539.4	523.6	503.5	488.7	471.8	459.2	452.8	451.8	453.9	459.2
42.5°	482.4	469.7	459.2	448.6	438.1	436.0	432.8	437.0	442.3	447.6	452.8
45°	430.7	420.1	413.8	409.6	408.5	411.7	418.0	424.3	433.8	440.2	444.4
47.5°	393.7	385.3	383.2	382.1	387.4	396.9	405.3	414.8	422.2	428.6	432.8
50°	362.1	354.7	353.6	352.6	360.0	368.4	375.8	388.5	393.7	398.0	401.1
52.5°	339.9	333.6	330.4	331.5	338.8	346.2	356.8	366.3	373.7	376.8	380.0
55°	322.0	319.8	312.5	315.6	323.0	332.5	343.1	353.6	361.0	366.3	371.6
57.5°	308.2	303.0	297.7	303.0	310.3	319.8	332.5	342.0	351.5	358.9	364.2
60°	293.5	289.2	285.0	290.3	297.7	307.2	316.7	329.3	341.0	348.3	353.6
62.5°	280.8	277.6	273.4	274.5	277.6	284.0	289.2	300.8	311.4	320.9	327.2
65°	262.8	261.8	255.5	256.5	258.6	265.0	269.2	279.7	290.3	298.7	304.0
67.5°	236.5	234.3	234.3	237.5	238.6	241.7	244.9	255.5	263.9	270.2	276.6
70°	210.1	209.0	209.0	211.1	210.1	213.2	217.5	227.0	237.5	243.8	250.2
72.5°	184.7	184.7	183.7	185.8	185.8	186.8	192.1	200.6	210.1	215.3	219.6
75°	162.6	161.5	161.5	161.5	162.6	162.6	167.8	175.2	184.7	187.9	194.2
77.5°	142.5	142.5	142.5	142.5	143.6	142.5	145.7	150.9	154.1	159.4	159.4
80°	125.6	124.6	125.6	126.7	126.7	125.6	125.6	126.7	127.7	127.7	127.7
82.5°	110.8	107.7	109.8	115.1	115.1	115.1	114.0	106.6	101.3	101.3	103.4
85°	88.7	88.7	89.7	97.1	98.2	93.9	98.2	87.6	77.1	73.9	76.0
87.5°	54.9	43.3	52.8	60.2	60.2	57.0	63.3	59.1	49.6	40.1	38.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: VTS-F07-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	0°
2.5°	1729.1	1730.1	1736.4	1739.6	1739.6	1743.8	1745.9	1752.3	1751.2	1751.2	1753.3	2.5°
5°	1726.9	1730.1	1736.4	1740.7	1742.8	1748.1	1752.3	1759.7	1758.6	1760.7	1761.8	5°
7.5°	1719.6	1728.0	1734.3	1742.8	1750.2	1754.4	1759.7	1766.0	1763.9	1764.9	1763.9	7.5°
10°	1713.2	1721.7	1734.3	1745.9	1756.5	1762.8	1766.0	1773.4	1772.3	1774.4	1774.4	10°
12.5°	1687.9	1702.7	1718.5	1736.4	1752.3	1769.2	1779.7	1795.6	1802.9	1812.4	1823.0	12.5°
15°	1623.5	1640.4	1665.7	1685.8	1716.4	1739.6	1770.2	1800.8	1828.3	1854.7	1885.3	15°
17.5°	1560.2	1567.6	1587.6	1615.1	1642.5	1677.3	1714.3	1769.2	1818.8	1872.6	1931.7	17.5°
20°	1443.0	1455.7	1469.4	1502.1	1534.8	1584.4	1629.8	1701.6	1774.4	1858.9	1949.7	20°
22.5°	1298.4	1311.0	1325.8	1362.8	1402.9	1453.5	1508.4	1588.7	1685.8	1795.6	1917.0	22.5°
25°	1142.1	1149.5	1161.1	1198.1	1222.4	1288.9	1355.4	1438.8	1544.3	1685.8	1827.2	25°
27.5°	970.1	983.8	993.3	1010.2	1066.1	1123.1	1192.8	1282.5	1410.3	1554.9	1725.9	27.5°
30°	805.4	817.0	811.7	847.6	884.6	944.8	1019.7	1118.9	1241.4	1413.4	1610.8	30°
32.5°	643.9	652.4	649.2	674.5	711.5	771.6	842.4	950.0	1079.9	1263.5	1477.8	32.5°
35°	531.0	533.1	544.7	556.3	588.0	636.5	696.7	790.6	923.6	1092.5	1319.5	35°
37.5°	478.2	482.4	489.8	505.6	528.9	563.7	613.3	686.1	800.1	949.0	1151.6	37.5°
40°	462.3	465.5	469.7	480.3	502.5	533.1	577.4	638.6	722.0	847.6	1012.3	40°
42.5°	455.0	455.0	455.0	461.3	478.2	510.9	561.6	621.7	694.6	789.6	922.6	42.5°
45°	444.4	444.4	443.3	446.5	458.1	490.8	545.7	613.3	691.4	782.2	897.3	45°
47.5°	432.8	431.7	428.6	428.6	436.0	468.7	525.7	598.5	684.0	788.5	912.0	47.5°
50°	401.1	401.1	401.1	404.3	410.6	440.2	501.4	578.5	676.6	792.7	935.3	50°
52.5°	383.2	384.2	387.4	387.4	393.7	424.3	488.7	574.2	680.9	808.6	964.8	52.5°
55°	374.7	377.9	381.1	381.1	386.3	418.0	484.5	577.4	696.7	841.3	1015.5	55°
57.5°	367.3	370.5	372.6	372.6	376.8	404.3	472.9	572.1	706.2	873.0	1077.8	57.5°
60°	353.6	355.7	356.8	356.8	357.8	381.1	446.5	546.8	685.1	870.9	1111.5	60°
62.5°	328.3	332.5	333.6	334.6	334.6	356.8	412.7	505.6	639.7	839.2	1102.0	62.5°
65°	309.3	311.4	314.6	316.7	320.9	335.7	380.0	456.0	580.6	775.9	1049.3	65°
67.5°	279.7	282.9	286.1	290.3	294.5	304.0	338.8	400.1	500.4	668.2	931.0	67.5°
70°	253.3	254.4	257.6	262.8	263.9	269.2	294.5	336.7	409.6	536.2	749.5	70°
72.5°	220.6	222.7	227.0	233.3	233.3	237.5	252.3	274.5	320.9	409.6	553.1	72.5°
75°	192.1	194.2	197.4	197.4	192.1	193.2	203.7	219.6	254.4	308.2	403.2	75°
77.5°	159.4	163.6	166.8	160.4	158.3	161.5	166.8	178.4	203.7	244.9	303.0	77.5°
80°	131.9	134.1	135.1	136.2	134.1	137.2	141.4	148.8	165.7	197.4	239.6	80°
82.5°	105.6	107.7	110.8	115.1	115.1	126.7	127.7	127.7	137.2	157.3	187.9	82.5°
85°	78.1	82.3	86.6	91.8	92.9	99.2	96.1	95.0	98.2	117.2	129.8	85°
87.5°	40.1	43.3	45.4	49.6	44.3	46.4	46.4	43.3	38.0	47.5	52.8	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: P158804

NUMBER: VTS-F07-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
1755.4	1753.3	1755.4	1755.4	1758.6	1756.5	1868.4
1763.9	1761.8	1763.9	1766.0	1769.2	1769.2	1892.7
1764.9	1764.9	1762.8	1768.1	1772.3	1776.6	1915.9
1777.6	1777.6	1779.7	1780.8	1790.3	1800.8	1953.9
1829.3	1834.6	1844.1	1847.3	1864.2	1875.8	2051.0
1908.5	1938.1	1957.1	1963.4	1978.2	2000.3	2214.6
1988.7	2038.3	2090.1	2121.7	2140.7	2167.1	2415.2
2048.9	2141.8	2230.5	2309.6	2355.0	2406.7	2696.0
2054.2	2202.0	2351.9	2498.6	2620.0	2716.0	3076.0
2003.5	2197.7	2404.6	2629.5	2838.5	3011.6	3513.0
1939.1	2177.7	2441.6	2728.7	3003.2	3258.6	3835.0
1857.8	2143.9	2447.9	2770.9	3092.9	3400.1	4018.6
1734.3	2043.6	2371.9	2728.7	3102.4	3476.1	4136.9
1576.0	1891.6	2228.4	2634.8	3058.0	3506.7	4236.1
1414.5	1725.9	2088.0	2509.1	2987.3	3501.4	4276.2
1243.5	1552.8	1923.3	2375.1	2891.3	3452.8	4268.8
1127.4	1409.2	1772.3	2238.9	2784.6	3388.4	4219.2
1059.8	1306.8	1653.1	2114.3	2687.5	3311.4	4156.9
1058.8	1276.2	1589.7	2025.7	2589.4	3225.9	4072.5
1095.7	1295.2	1582.3	1987.7	2535.5	3163.6	3980.6
1139.0	1348.0	1621.4	2001.4	2534.5	3136.2	3916.2
1207.6	1437.7	1706.9	2060.5	2561.9	3131.9	3837.1
1295.2	1559.1	1861.0	2206.2	2668.5	3215.3	3842.4
1384.9	1701.6	2062.6	2455.3	2878.6	3409.6	4009.1
1417.7	1811.4	2267.4	2747.7	3193.2	3700.9	4353.3
1389.2	1836.7	2392.0	2974.7	3499.3	4041.9	4763.9
1283.6	1734.3	2341.3	3039.0	3675.6	4283.6	5174.5
1056.6	1479.9	2111.2	2894.4	3661.8	4333.2	5322.3
774.8	1147.4	1716.4	2459.5	3255.4	4022.9	5100.6
559.5	811.7	1239.3	1852.6	2573.5	3239.6	4278.3
401.1	562.6	804.4	1217.1	1753.3	2255.8	3049.6
288.2	382.1	501.4	730.5	1068.3	1384.9	1915.9
212.2	261.8	329.3	453.9	629.1	806.5	1153.8
144.6	154.1	198.5	268.1	412.7	593.2	783.2
54.9	62.3	72.8	109.8	184.7	212.2	149.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)