

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: P158796

Luminaire Tested: **VTS-F06-LED-E1-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158796
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-F06-LED-E1-SLL-7050
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

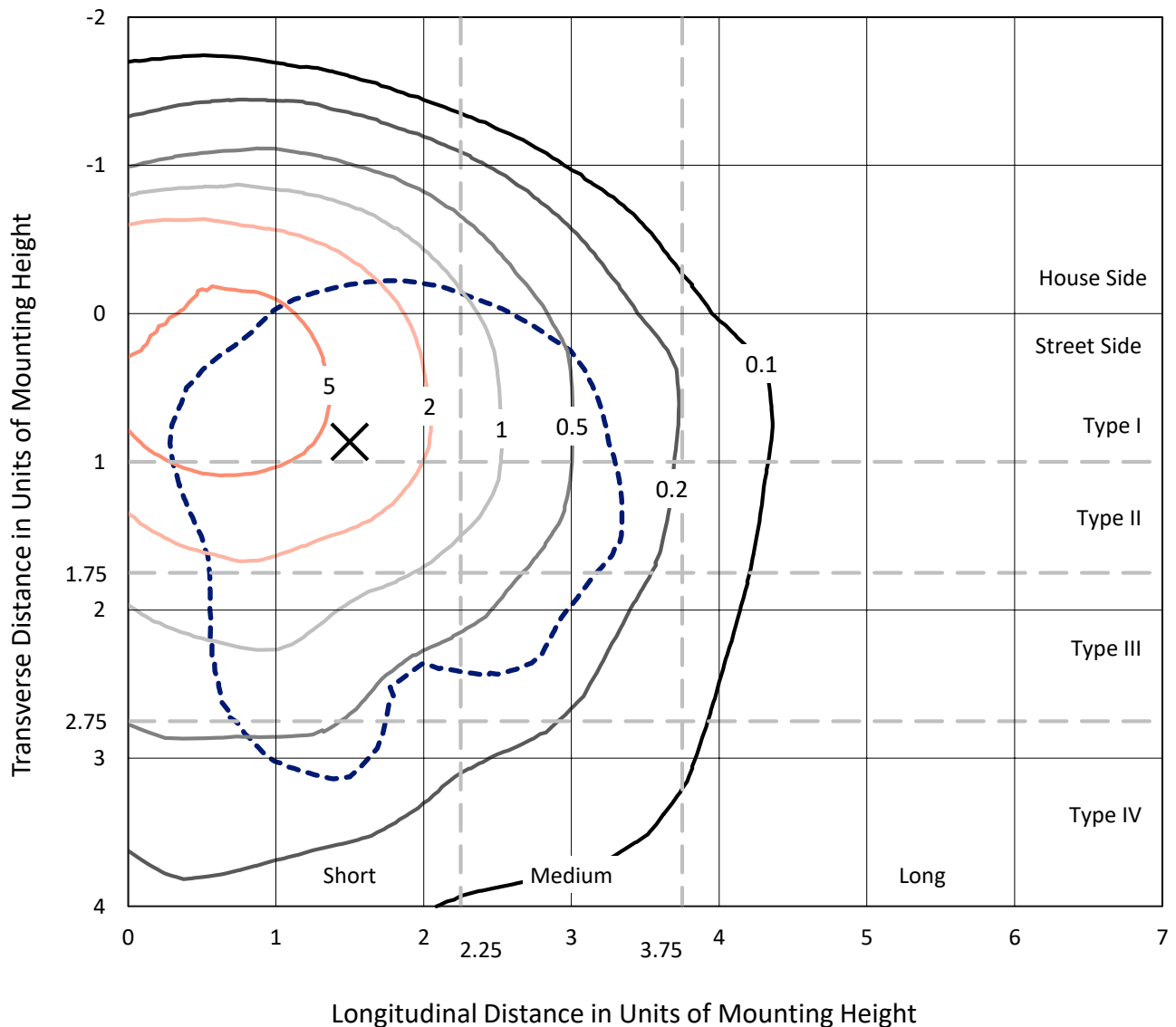
Lumens per Lamp: N/A
Luminaire Lumens: 13658 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 156.5
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

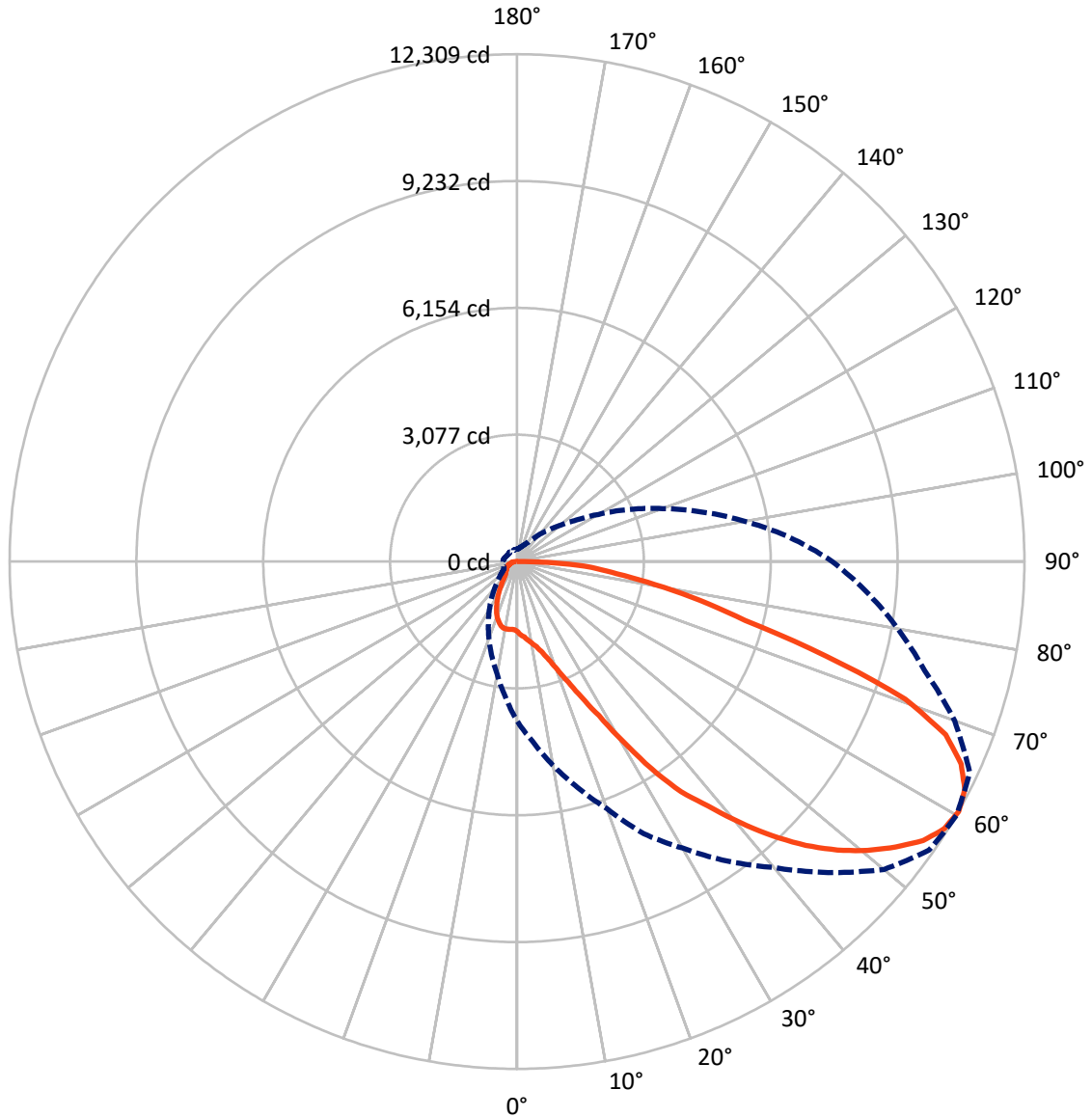
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 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	3075.4	0.0	3075.4
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	10582.6	0.0	10582.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	13658.0	0.0	13658.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.2
10°-20°	541.1	4.0
20°-30°	1026.7	7.5
30°-40°	1616.9	11.8
40°-50°	2256.8	16.5
50°-60°	2791.1	20.4
60°-70°	2893.1	21.2
70°-80°	1820.5	13.3
80°-90°	544.2	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°	13658.0	100.0
0°-180°	13658.0	100.0



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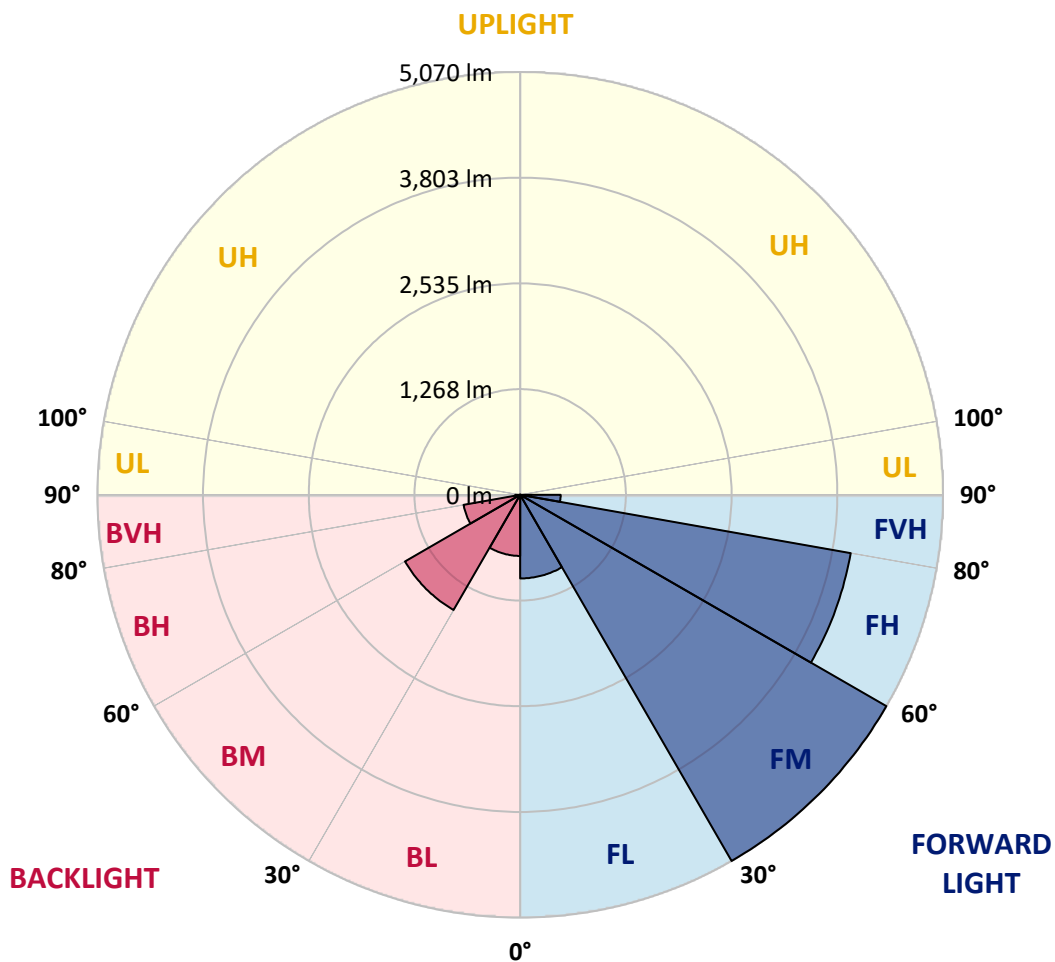
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1002.7	7.3			
FM (30°-60°)	5070.1	37.1			
FH (60°-80°)	4024.9	29.5			G2/5000
FVH (80°-90°)	485.0	3.6			G3/500
BL (0°-30°)	732.7	5.4	B2/1000		
BM (30°-60°)	1594.8	11.7	B2/2500		
BH (60°-80°)	688.7	5.0	B2/1000		G2/1000
BVH (80°-90°)	59.2	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1799.2	1797.2	1797.2	1797.2	1796.1	1794.1	1797.2	1796.1	1791.1	1788.0	1791.1
5°	1822.6	1823.6	1826.6	1827.7	1827.7	1830.7	1838.8	1839.8	1838.8	1840.9	1845.9
7.5°	1844.9	1850.0	1853.1	1858.1	1864.2	1869.3	1883.6	1897.8	1906.9	1914.1	1916.1
10°	1881.5	1889.7	1898.8	1912.0	1926.2	1951.7	1963.9	1978.1	1987.2	2001.5	2004.5
12.5°	1975.0	1985.2	1991.3	2011.6	2029.9	2054.3	2071.6	2075.7	2097.0	2109.2	2123.4
15°	2132.6	2147.8	2169.2	2181.4	2201.7	2223.1	2238.3	2258.6	2261.7	2278.0	2289.1
17.5°	2325.7	2347.1	2390.8	2420.3	2446.7	2468.0	2498.5	2521.9	2527.0	2545.3	2521.9
20°	2596.1	2648.0	2655.1	2714.0	2737.4	2780.1	2841.1	2852.3	2881.8	2852.3	2835.0
22.5°	2962.1	3043.4	3065.7	3122.7	3151.1	3216.2	3234.5	3294.4	3314.8	3292.4	3245.7
25°	3382.9	3508.9	3574.0	3661.4	3675.6	3808.8	3823.0	3893.2	3855.5	3801.7	3802.7
27.5°	3692.9	3907.4	4075.1	4224.5	4329.2	4479.7	4596.6	4629.1	4593.5	4523.4	4499.0
30°	3869.8	4112.7	4353.6	4560.0	4803.9	5033.7	5272.5	5391.5	5411.8	5448.4	5301.0
32.5°	3983.6	4295.7	4582.3	4837.5	5087.5	5383.3	5703.5	6009.5	6266.7	6460.8	6369.3
35°	4079.2	4464.4	4831.4	5140.4	5436.2	5758.4	6081.7	6442.5	6868.4	7117.5	7169.3
37.5°	4117.8	4588.4	5037.7	5434.2	5849.9	6212.8	6534.0	6855.2	7302.5	7746.7	7883.9
40°	4110.7	4649.4	5160.7	5658.8	6168.1	6621.4	6997.5	7377.7	7901.2	8420.6	8644.2
42.5°	4062.9	4658.6	5239.0	5808.2	6388.6	6991.4	7472.2	7910.3	8412.5	9078.3	9394.4
45°	4002.9	4627.1	5255.3	5884.5	6552.3	7249.6	7857.5	8399.3	8987.8	9645.5	10027.7
47.5°	3921.6	4577.3	5234.9	5910.9	6625.5	7415.3	8129.9	8781.5	9429.0	10186.3	10671.1
50°	3833.2	4506.1	5193.3	5891.6	6643.8	7505.8	8285.4	9027.5	9783.7	10601.0	11213.9
52.5°	3771.2	4429.9	5155.6	5851.9	6625.5	7533.2	8342.3	9159.6	10001.3	10846.0	11577.8
55°	3694.9	4328.2	5055.0	5759.4	6558.4	7518.0	8336.2	9205.3	10061.2	10940.5	11776.0
57.5°	3700.0	4281.5	4969.6	5648.6	6421.2	7376.7	8221.4	9159.6	9966.7	10879.5	11783.2
60°	3860.6	4382.1	5014.3	5671.0	6380.5	7287.2	8026.2	8864.8	9689.2	10669.1	11618.5
62.5°	4192.0	4669.8	5244.1	5894.6	6609.2	7466.1	7937.8	8374.9	9106.7	10281.8	11337.9
65°	4587.4	5018.4	5516.5	6135.5	6936.5	7756.8	7888.0	7976.4	8346.4	9528.6	10811.4
67.5°	4982.8	5368.1	5759.4	6272.8	7122.6	7840.2	7684.7	7474.3	7673.5	8653.4	9776.6
70°	5125.1	5636.4	5893.6	6246.3	6981.3	7646.0	7356.3	6826.8	6895.9	7786.3	8607.6
72.5°	4911.7	5640.5	5725.9	5857.0	6352.1	6977.2	6671.2	5990.2	5975.9	6656.0	7319.7
75°	4119.8	5145.5	5144.5	5095.7	5207.5	5563.3	5404.7	4994.0	5167.8	5703.5	5922.1
77.5°	2936.6	4015.1	4066.0	3737.6	3729.5	3890.1	3985.7	4463.4	5093.6	5394.5	5325.4
80°	1844.9	2708.9	2927.5	2521.9	2435.5	2663.2	3253.8	3949.1	4724.6	4995.0	4762.3
82.5°	1111.0	1745.3	2210.9	1981.1	1960.8	2375.5	3028.1	3298.5	3531.3	3819.0	3429.6
85°	754.2	1162.9	1512.5	1558.3	1736.2	2165.1	2448.7	2328.8	2334.9	2259.7	2058.4
87.5°	144.3	317.1	518.4	632.3	701.4	942.3	1024.6	928.1	979.9	716.6	783.7
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°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1786.0	1786.0	1786.0	1780.9	1781.9	1774.8	1771.7	1771.7	1768.7	1768.7	1767.7
5°	1841.9	1835.8	1838.8	1837.8	1837.8	1827.7	1822.6	1822.6	1809.4	1810.4	1806.3
7.5°	1925.2	1924.2	1927.3	1921.2	1913.0	1904.9	1896.8	1892.7	1874.4	1863.2	1856.1
10°	2019.8	2018.8	2021.8	2020.8	2006.6	1991.3	1968.9	1952.7	1930.3	1913.0	1895.8
12.5°	2123.4	2122.4	2120.4	2111.3	2096.0	2071.6	2043.1	2015.7	1982.2	1959.8	1934.4
15°	2285.1	2282.0	2269.8	2256.6	2240.3	2202.7	2152.9	2113.3	2068.6	2029.9	1988.3
17.5°	2523.9	2498.5	2496.5	2467.0	2423.3	2373.5	2326.7	2260.7	2196.6	2138.7	2081.8
20°	2853.3	2794.3	2778.1	2744.5	2686.6	2634.7	2533.1	2444.7	2357.2	2278.0	2205.8
22.5°	3212.1	3169.4	3129.8	3074.9	2995.6	2920.4	2791.3	2680.5	2568.7	2467.0	2386.7
25°	3713.2	3639.0	3567.9	3480.5	3370.7	3281.2	3133.8	3022.0	2875.7	2783.2	2667.3
27.5°	4360.7	4233.7	4113.7	4038.5	3845.4	3715.3	3527.2	3382.9	3206.0	3081.0	2943.8
30°	5203.4	5056.0	4878.1	4617.9	4388.2	4130.0	3897.2	3712.2	3524.2	3349.3	3190.8
32.5°	6248.4	5988.1	5706.6	5293.9	4916.8	4548.8	4238.8	4011.1	3819.0	3601.4	3377.8
35°	7131.7	6863.3	6463.9	5939.4	5473.8	5053.0	4682.0	4370.9	4119.8	3844.4	3548.6
37.5°	7829.0	7523.0	7148.0	6590.9	6098.9	5620.2	5230.9	4834.4	4505.1	4125.9	3751.9
40°	8628.0	8321.0	7908.3	7330.9	6748.5	6229.1	5772.7	5363.0	4958.4	4495.9	4015.1
42.5°	9324.3	9102.7	8684.9	8088.2	7442.7	6864.4	6365.3	5896.7	5368.1	4850.7	4281.5
45°	10050.0	9824.4	9428.0	8803.8	8117.7	7473.2	6876.6	6372.4	5748.3	5132.3	4480.7
47.5°	10691.4	10459.7	10059.2	9439.1	8710.3	8031.3	7374.6	6764.7	6040.0	5332.5	4610.8
50°	11303.4	11019.8	10652.8	10034.8	9256.2	8530.4	7817.8	7035.1	6266.7	5472.8	4699.2
52.5°	11865.5	11504.6	11157.0	10520.7	9679.0	8920.7	8125.8	7264.9	6405.9	5583.6	4759.2
55°	12184.7	11951.9	11536.2	10911.0	9979.9	9189.1	8321.0	7426.5	6544.2	5661.9	4784.6
57.5°	12283.3	12226.4	11877.7	11136.7	10156.8	9336.5	8453.1	7554.6	6636.7	5684.2	4749.0
60°	12205.0	12308.7	12117.6	11295.2	10237.1	9380.2	8518.2	7646.0	6652.9	5613.1	4641.3
62.5°	11953.9	12189.8	12165.4	11348.1	10195.4	9325.3	8511.1	7599.3	6500.5	5391.5	4399.4
65°	11541.2	11838.1	11942.7	11151.9	9960.6	9125.0	8330.1	7305.5	6076.6	4958.4	3993.8
67.5°	10764.6	11213.9	11315.6	10509.5	9346.6	8571.0	7808.7	6695.6	5291.9	4288.6	3360.5
70°	9208.4	9994.1	10131.4	9285.6	8264.1	7583.0	6936.5	5728.9	4406.5	3439.8	2578.8
72.5°	7351.3	7845.3	8125.8	7543.4	6783.0	6289.0	5799.1	4395.3	3324.9	2538.2	1774.8
75°	5747.2	5717.8	5968.8	5581.6	5134.3	4903.6	4535.6	3066.8	2227.1	1681.3	1123.2
77.5°	4913.7	4535.6	4249.9	3977.5	3712.2	3639.0	3286.3	1902.9	1376.3	1007.3	671.9
80°	4084.3	3394.1	2872.6	2489.4	2394.9	2539.2	2150.9	1122.2	815.2	578.4	421.8
82.5°	2918.3	2441.6	1987.2	1744.3	1582.7	1812.4	1268.6	623.1	442.2	346.6	279.5
85°	1891.7	1808.3	1789.0	1709.7	1513.6	1429.2	963.6	536.7	331.4	215.5	173.8
87.5°	727.8	933.1	1076.5	1153.7	1247.2	1111.0	502.1	185.0	182.0	111.8	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°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1760.6	1756.5	1755.5	1752.4	1750.4	1750.4	1745.3	1652.8	1651.8	1651.8	1650.8
5°	1798.2	1793.1	1788.0	1787.0	1782.9	1782.9	1777.8	1685.3	1685.3	1685.3	1683.3
7.5°	1849.0	1838.8	1832.7	1829.7	1823.6	1826.6	1830.7	1737.2	1738.2	1737.2	1739.2
10°	1885.6	1879.5	1872.4	1870.3	1866.3	1869.3	1875.4	1782.9	1786.0	1787.0	1789.0
12.5°	1921.2	1911.0	1901.9	1898.8	1896.8	1904.9	1912.0	1822.6	1825.6	1828.7	1828.7
15°	1964.9	1947.6	1935.4	1928.3	1924.2	1932.3	1942.5	1854.1	1855.1	1858.1	1857.1
17.5°	2039.1	2013.7	1985.2	1980.1	1966.9	1970.0	1972.0	1873.4	1869.3	1862.2	1850.0
20°	2153.9	2115.3	2076.7	2060.4	2034.0	2022.8	2000.5	1874.4	1849.0	1827.7	1809.4
22.5°	2318.6	2261.7	2220.0	2192.6	2138.7	2101.1	2040.1	1869.3	1821.6	1785.0	1756.5
25°	2584.9	2516.8	2452.8	2383.7	2299.3	2224.1	2134.6	1914.1	1839.8	1776.8	1721.9
27.5°	2844.1	2736.4	2637.8	2534.1	2415.2	2302.4	2176.3	1928.3	1843.9	1762.6	1673.1
30°	3038.3	2881.8	2732.3	2580.9	2425.3	2279.0	2136.7	1879.5	1778.9	1687.4	1592.8
32.5°	3156.2	2952.9	2758.8	2570.7	2387.7	2223.1	2063.5	1795.1	1684.3	1576.6	1475.9
35°	3268.0	3015.9	2775.0	2553.4	2344.0	2161.1	1989.3	1696.5	1564.4	1449.5	1322.5
37.5°	3406.3	3082.0	2785.2	2521.9	2280.0	2070.6	1881.5	1572.5	1440.4	1299.1	1179.1
40°	3571.9	3150.1	2775.0	2458.9	2180.4	1951.7	1751.4	1442.4	1295.0	1157.8	1039.9
42.5°	3729.5	3210.1	2748.6	2374.5	2071.6	1827.7	1632.5	1326.5	1179.1	1038.9	922.0
45°	3846.4	3260.9	2735.4	2315.6	1988.3	1743.3	1527.8	1233.0	1077.5	936.2	817.3
47.5°	3927.7	3291.4	2729.3	2283.0	1930.3	1655.9	1432.2	1139.5	975.8	833.5	717.6
50°	3970.4	3290.4	2714.0	2247.5	1844.9	1551.2	1333.6	1045.0	882.3	743.1	637.3
52.5°	3981.6	3272.1	2681.5	2182.4	1741.2	1446.5	1227.9	946.4	800.0	666.8	560.1
55°	3956.2	3227.4	2613.4	2073.6	1630.5	1335.7	1131.4	869.1	719.7	593.6	510.3
57.5°	3884.0	3148.1	2485.3	1924.2	1513.6	1233.0	1020.6	775.6	632.3	526.5	457.4
60°	3749.8	2980.4	2285.1	1747.3	1365.1	1076.5	868.1	653.6	539.8	460.5	404.6
62.5°	3501.8	2717.1	2003.5	1503.4	1151.7	873.2	693.2	521.5	436.1	384.2	349.7
65°	3102.3	2320.6	1677.2	1184.2	875.2	635.3	515.4	392.4	330.4	298.8	288.7
67.5°	2532.1	1792.1	1219.8	822.3	592.6	445.2	358.8	286.7	257.2	245.0	240.9
70°	1840.9	1220.8	789.8	519.4	391.3	311.0	271.4	230.7	214.5	211.4	211.4
72.5°	1155.7	742.0	483.8	355.8	296.8	252.1	231.8	203.3	197.2	195.2	192.1
75°	678.0	450.3	342.6	291.7	254.1	225.7	208.4	185.0	180.9	179.9	176.9
77.5°	432.0	324.3	276.5	249.0	229.7	204.3	189.1	164.7	163.7	162.6	161.6
80°	310.0	269.4	241.9	220.6	201.3	177.9	168.7	149.4	147.4	146.4	148.4
82.5°	234.8	222.6	211.4	195.2	168.7	151.5	144.3	131.1	132.1	127.1	126.0
85°	161.6	159.6	158.6	151.5	132.1	116.9	111.8	104.7	109.8	104.7	98.6
87.5°	79.3	78.3	72.2	85.4	79.3	63.0	56.9	63.0	70.1	68.1	63.0
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: P158796

CATALOG NUMBER: VTS-F06-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1646.7	1642.6	1645.7	1643.7	1643.7	1642.6	1644.7	1641.6	1639.6	1641.6	1642.6
5°	1679.2	1674.2	1675.2	1668.1	1671.1	1664.0	1666.0	1660.9	1655.9	1653.8	1653.8
7.5°	1734.1	1729.1	1723.0	1721.9	1710.8	1706.7	1699.6	1695.5	1692.5	1685.3	1681.3
10°	1783.9	1775.8	1768.7	1767.7	1756.5	1746.3	1737.2	1729.1	1724.0	1713.8	1708.7
12.5°	1824.6	1816.5	1805.3	1799.2	1788.0	1775.8	1769.7	1757.5	1750.4	1739.2	1730.1
15°	1848.0	1833.7	1817.5	1806.3	1790.0	1776.8	1767.7	1758.5	1751.4	1737.2	1724.0
17.5°	1836.8	1813.4	1791.1	1770.7	1748.4	1736.2	1723.0	1711.8	1709.7	1693.5	1673.1
20°	1790.0	1762.6	1733.1	1705.7	1676.2	1658.9	1642.6	1625.4	1620.3	1601.0	1574.5
22.5°	1733.1	1701.6	1668.1	1634.5	1596.9	1572.5	1548.1	1526.8	1509.5	1481.0	1443.4
25°	1675.2	1628.4	1579.6	1536.9	1493.2	1462.7	1437.3	1413.9	1393.6	1347.9	1309.2
27.5°	1598.9	1525.8	1475.9	1427.2	1374.3	1334.7	1306.2	1273.7	1251.3	1198.4	1157.8
30°	1501.4	1428.2	1357.0	1308.2	1255.4	1212.7	1176.1	1129.3	1096.8	1058.2	1020.6
32.5°	1378.4	1305.2	1233.0	1178.1	1134.4	1081.5	1035.8	991.1	953.5	915.9	886.4
35°	1228.9	1157.8	1089.7	1034.8	986.0	944.3	900.6	862.0	819.3	778.6	761.4
37.5°	1071.4	995.1	919.9	872.1	833.5	804.0	763.4	731.9	693.2	668.9	648.5
40°	934.2	852.8	781.7	741.0	710.5	677.0	643.4	619.0	591.6	567.2	552.0
42.5°	818.3	742.0	681.0	646.5	609.9	573.3	547.9	527.6	510.3	492.0	473.7
45°	711.5	638.4	587.5	544.8	514.3	484.9	467.6	458.4	448.3	437.1	424.9
47.5°	622.1	559.1	509.3	469.6	438.1	417.8	409.6	406.6	402.5	393.4	387.3
50°	554.0	502.1	451.3	415.7	389.3	379.2	370.0	367.0	361.9	358.8	354.8
52.5°	497.1	442.2	399.5	367.0	350.7	346.6	342.6	338.5	337.5	335.4	333.4
55°	450.3	402.5	362.9	338.5	330.4	327.3	326.3	322.2	321.2	321.2	318.2
57.5°	408.6	368.0	332.4	317.1	312.1	309.0	307.0	304.9	304.9	307.0	306.0
60°	365.9	331.4	310.0	301.9	298.8	293.8	288.7	286.7	287.7	292.7	292.7
62.5°	324.3	298.8	285.6	282.6	279.5	275.5	269.4	267.3	269.4	275.5	278.5
65°	278.5	267.3	263.3	261.2	259.2	256.2	252.1	250.1	251.1	254.1	258.2
67.5°	236.8	235.8	235.8	236.8	235.8	234.8	232.8	229.7	228.7	228.7	230.7
70°	211.4	211.4	214.5	214.5	213.5	213.5	210.4	207.4	205.3	203.3	204.3
72.5°	192.1	192.1	193.1	194.1	193.1	193.1	189.1	187.0	182.0	180.9	178.9
75°	175.9	173.8	173.8	172.8	171.8	172.8	168.7	163.7	161.6	160.6	158.6
77.5°	159.6	155.5	153.5	151.5	152.5	151.5	148.4	145.4	142.3	141.3	140.3
80°	141.3	135.2	132.1	127.1	130.1	131.1	129.1	126.0	125.0	124.0	123.0
82.5°	116.9	110.8	106.7	103.7	101.6	103.7	106.7	113.8	111.8	110.8	108.8
85°	91.5	81.3	76.2	77.3	72.2	73.2	82.3	86.4	86.4	88.4	86.4
87.5°	51.8	49.8	37.6	34.6	36.6	43.7	48.8	53.9	53.9	50.8	56.9
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-F06-LED-E1-SLL-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
2.5°	1642.6	1644.7	1645.7	1649.8	1651.8	1652.8	1653.8	1655.9	1656.9	1655.9	1660.9
5°	1650.8	1650.8	1648.7	1651.8	1652.8	1652.8	1650.8	1652.8	1652.8	1652.8	1657.9
7.5°	1672.1	1666.0	1663.0	1658.9	1655.9	1651.8	1646.7	1646.7	1645.7	1646.7	1649.8
10°	1694.5	1685.3	1674.2	1664.0	1654.8	1647.7	1638.6	1635.5	1634.5	1633.5	1641.6
12.5°	1711.8	1695.5	1678.2	1660.9	1642.6	1630.5	1615.2	1606.1	1605.0	1605.0	1615.2
15°	1699.6	1673.1	1639.6	1609.1	1592.8	1575.6	1558.3	1547.1	1546.1	1548.1	1554.2
17.5°	1638.6	1595.9	1566.4	1536.9	1515.6	1501.4	1490.2	1488.1	1492.2	1488.1	1496.3
20°	1534.9	1489.2	1468.8	1445.4	1437.3	1427.2	1410.9	1396.7	1396.7	1378.4	1383.4
22.5°	1400.7	1375.3	1348.9	1330.6	1324.5	1307.2	1289.9	1270.6	1268.6	1246.2	1243.2
25°	1260.4	1235.0	1213.7	1209.6	1191.3	1167.9	1151.7	1129.3	1124.2	1101.9	1098.8
27.5°	1117.1	1096.8	1075.4	1063.2	1053.1	1027.7	1013.4	987.0	976.8	952.5	949.4
30°	980.9	966.7	941.3	931.1	911.8	882.3	851.8	835.6	827.4	802.0	793.9
32.5°	852.8	830.5	811.2	799.0	774.6	741.0	713.6	690.2	674.9	644.5	636.3
35°	730.9	708.5	699.3	667.8	646.5	624.1	586.5	572.3	544.8	521.5	513.3
37.5°	623.1	601.8	589.6	563.1	541.8	519.4	497.1	478.8	465.6	460.5	460.5
40°	530.6	519.4	504.2	484.9	470.6	454.4	442.2	436.1	435.1	437.1	442.2
42.5°	464.5	452.3	442.2	432.0	421.8	419.8	416.8	420.8	425.9	431.0	436.1
45°	414.7	404.6	398.5	394.4	393.4	396.4	402.5	408.6	417.8	423.9	427.9
47.5°	379.2	371.0	369.0	368.0	373.1	382.2	390.3	399.5	406.6	412.7	416.8
50°	348.7	341.5	340.5	339.5	346.6	354.8	361.9	374.1	379.2	383.2	386.3
52.5°	327.3	321.2	318.2	319.2	326.3	333.4	343.6	352.7	359.8	362.9	365.9
55°	310.0	308.0	300.9	303.9	311.0	320.2	330.4	340.5	347.6	352.7	357.8
57.5°	296.8	291.7	286.7	291.7	298.8	308.0	320.2	329.3	338.5	345.6	350.7
60°	282.6	278.5	274.5	279.5	286.7	295.8	304.9	317.1	328.3	335.4	340.5
62.5°	270.4	267.3	263.3	264.3	267.3	273.4	278.5	289.7	299.9	309.0	315.1
65°	253.1	252.1	246.0	247.0	249.0	255.1	259.2	269.4	279.5	287.7	292.7
67.5°	227.7	225.7	225.7	228.7	229.7	232.8	235.8	246.0	254.1	260.2	266.3
70°	202.3	201.3	201.3	203.3	202.3	205.3	209.4	218.5	228.7	234.8	240.9
72.5°	177.9	177.9	176.9	178.9	178.9	179.9	185.0	193.1	202.3	207.4	211.4
75°	156.5	155.5	155.5	155.5	156.5	156.5	161.6	168.7	177.9	180.9	187.0
77.5°	137.2	137.2	137.2	137.2	138.2	137.2	140.3	145.4	148.4	153.5	153.5
80°	121.0	119.9	121.0	122.0	122.0	121.0	121.0	122.0	123.0	123.0	123.0
82.5°	106.7	103.7	105.7	110.8	110.8	110.8	109.8	102.7	97.6	97.6	99.6
85°	85.4	85.4	86.4	93.5	94.5	90.5	94.5	84.4	74.2	71.2	73.2
87.5°	52.9	41.7	50.8	57.9	57.9	54.9	61.0	56.9	47.8	38.6	36.6
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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 CATALOG NUMBER: VTS-F06-LED-E1-SLL-7050

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	0°
2.5°	1665.0	1666.0	1672.1	1675.2	1675.2	1679.2	1681.3	1687.4	1686.4	1686.4	1688.4	2.5°
5°	1663.0	1666.0	1672.1	1676.2	1678.2	1683.3	1687.4	1694.5	1693.5	1695.5	1696.5	5°
7.5°	1655.9	1664.0	1670.1	1678.2	1685.3	1689.4	1694.5	1700.6	1698.6	1699.6	1698.6	7.5°
10°	1649.8	1657.9	1670.1	1681.3	1691.4	1697.5	1700.6	1707.7	1706.7	1708.7	1708.7	10°
12.5°	1625.4	1639.6	1654.8	1672.1	1687.4	1703.6	1713.8	1729.1	1736.2	1745.3	1755.5	12.5°
15°	1563.4	1579.6	1604.0	1623.3	1652.8	1675.2	1704.7	1734.1	1760.6	1786.0	1815.5	15°
17.5°	1502.4	1509.5	1528.8	1555.2	1581.7	1615.2	1650.8	1703.6	1751.4	1803.3	1860.2	17.5°
20°	1389.5	1401.7	1415.0	1446.5	1478.0	1525.8	1569.5	1638.6	1708.7	1790.0	1877.5	20°
22.5°	1250.3	1262.5	1276.7	1312.3	1350.9	1399.7	1452.6	1529.8	1623.3	1729.1	1845.9	22.5°
25°	1099.8	1107.0	1118.1	1153.7	1177.1	1241.1	1305.2	1385.5	1487.1	1623.3	1759.5	25°
27.5°	934.2	947.4	956.5	972.8	1026.7	1081.5	1148.6	1235.0	1358.0	1497.3	1662.0	27.5°
30°	775.6	786.8	781.7	816.2	851.8	909.8	981.9	1077.5	1195.4	1361.1	1551.2	30°
32.5°	620.1	628.2	625.1	649.5	685.1	743.1	811.2	914.8	1039.9	1216.7	1423.1	32.5°
35°	511.3	513.3	524.5	535.7	566.2	612.9	670.9	761.4	889.4	1052.1	1270.6	35°
37.5°	460.5	464.5	471.7	486.9	509.3	542.8	590.6	660.7	770.5	913.8	1109.0	37.5°
40°	445.2	448.3	452.3	462.5	483.8	513.3	556.0	615.0	695.3	816.2	974.8	40°
42.5°	438.1	438.1	438.1	444.2	460.5	492.0	540.8	598.7	668.9	760.3	888.4	42.5°
45°	427.9	427.9	426.9	430.0	441.2	472.7	525.5	590.6	665.8	753.2	864.0	45°
47.5°	416.8	415.7	412.7	412.7	419.8	451.3	506.2	576.4	658.7	759.3	878.2	47.5°
50°	386.3	386.3	386.3	389.3	395.4	423.9	482.8	557.0	651.6	763.4	900.6	50°
52.5°	369.0	370.0	373.1	373.1	379.2	408.6	470.6	553.0	655.6	778.6	929.1	52.5°
55°	360.9	363.9	367.0	367.0	372.0	402.5	466.6	556.0	670.9	810.1	977.9	55°
57.5°	353.7	356.8	358.8	358.8	362.9	389.3	455.4	550.9	680.0	840.6	1037.8	57.5°
60°	340.5	342.6	343.6	343.6	344.6	367.0	430.0	526.5	659.7	838.6	1070.4	60°
62.5°	316.1	320.2	321.2	322.2	322.2	343.6	397.4	486.9	616.0	808.1	1061.2	62.5°
65°	297.8	299.9	302.9	304.9	309.0	323.2	365.9	439.1	559.1	747.1	1010.4	65°
67.5°	269.4	272.4	275.5	279.5	283.6	292.7	326.3	385.2	481.8	643.4	896.5	67.5°
70°	244.0	245.0	248.0	253.1	254.1	259.2	283.6	324.3	394.4	516.4	721.7	70°
72.5°	212.4	214.5	218.5	224.6	224.6	228.7	242.9	264.3	309.0	394.4	532.6	72.5°
75°	185.0	187.0	190.1	190.1	185.0	186.0	196.2	211.4	245.0	296.8	388.3	75°
77.5°	153.5	157.6	160.6	154.5	152.5	155.5	160.6	171.8	196.2	235.8	291.7	77.5°
80°	127.1	129.1	130.1	131.1	129.1	132.1	136.2	143.3	159.6	190.1	230.7	80°
82.5°	101.6	103.7	106.7	110.8	110.8	122.0	123.0	123.0	132.1	151.5	180.9	82.5°
85°	75.2	79.3	83.4	88.4	89.5	95.6	92.5	91.5	94.5	112.8	125.0	85°
87.5°	38.6	41.7	43.7	47.8	42.7	44.7	44.7	41.7	36.6	45.7	50.8	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: P158796

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1698.6	1698.6	1698.6	1698.6	1698.6	1698.6	1698.6
1690.4	1688.4	1690.4	1690.4	1693.5	1691.4	1799.2
1698.6	1696.5	1698.6	1700.6	1703.6	1703.6	1822.6
1699.6	1699.6	1697.5	1702.6	1706.7	1710.8	1844.9
1711.8	1711.8	1713.8	1714.8	1724.0	1734.1	1881.5
1761.6	1766.7	1775.8	1778.9	1795.1	1806.3	1975.0
1837.8	1866.3	1884.6	1890.7	1904.9	1926.2	2132.6
1915.1	1962.8	2012.7	2043.1	2061.4	2086.9	2325.7
1973.0	2062.5	2147.8	2224.1	2267.8	2317.6	2596.1
1978.1	2120.4	2264.7	2406.0	2522.9	2615.4	2962.1
1929.3	2116.3	2315.6	2532.1	2733.3	2900.0	3382.9
1867.3	2097.0	2351.1	2627.6	2891.9	3137.9	3692.9
1789.0	2064.5	2357.2	2668.3	2978.3	3274.1	3869.8
1670.1	1967.9	2284.1	2627.6	2987.5	3347.3	3983.6
1517.6	1821.6	2145.8	2537.2	2944.8	3376.8	4079.2
1362.1	1662.0	2010.6	2416.2	2876.7	3371.7	4117.8
1197.4	1495.3	1852.0	2287.1	2784.2	3324.9	4110.7
1085.6	1357.0	1706.7	2156.0	2681.5	3262.9	4062.9
1020.6	1258.4	1591.8	2036.0	2588.0	3188.7	4002.9
1019.5	1228.9	1530.8	1950.6	2493.5	3106.4	3921.6
1055.1	1247.2	1523.7	1914.1	2441.6	3046.4	3833.2
1096.8	1298.1	1561.3	1927.3	2440.6	3020.0	3771.2
1162.9	1384.5	1643.7	1984.2	2467.0	3015.9	3694.9
1247.2	1501.4	1792.1	2124.5	2569.7	3096.2	3700.0
1333.6	1638.6	1986.2	2364.4	2772.0	3283.3	3860.6
1365.1	1744.3	2183.4	2645.9	3074.9	3563.8	4192.0
1337.7	1768.7	2303.4	2864.5	3369.7	3892.1	4587.4
1236.1	1670.1	2254.6	2926.5	3539.4	4124.9	4982.8
1017.5	1425.1	2033.0	2787.2	3526.2	4172.7	5125.1
746.1	1104.9	1652.8	2368.4	3134.9	3873.8	4911.7
538.7	781.7	1193.4	1783.9	2478.2	3119.6	4119.8
386.3	541.8	774.6	1172.0	1688.4	2172.2	2936.6
277.5	368.0	482.8	703.4	1028.7	1333.6	1844.9
204.3	252.1	317.1	437.1	605.8	776.6	1111.0
139.3	148.4	191.1	258.2	397.4	571.3	754.2
52.9	60.0	70.1	105.7	177.9	204.3	144.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)