

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: INVUE

Report Number: P152750

Luminaire Tested: **VXS-E05-LED-E1-SLL**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152750  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXS-E05-LED-E1-SLL  
Description: VISION SITE SMALL LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (105) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13912.3 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

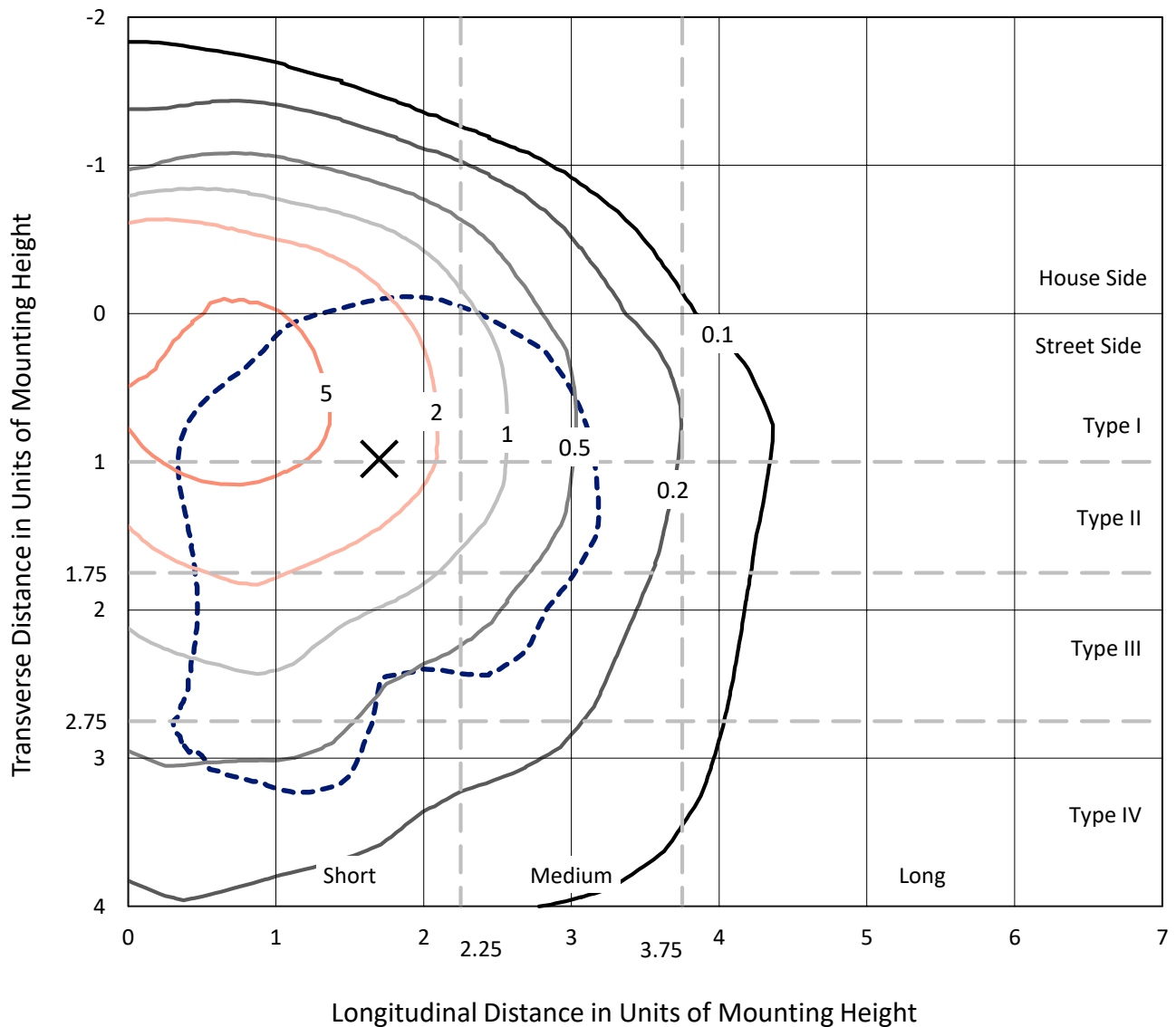
Input Watts (W): 127.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

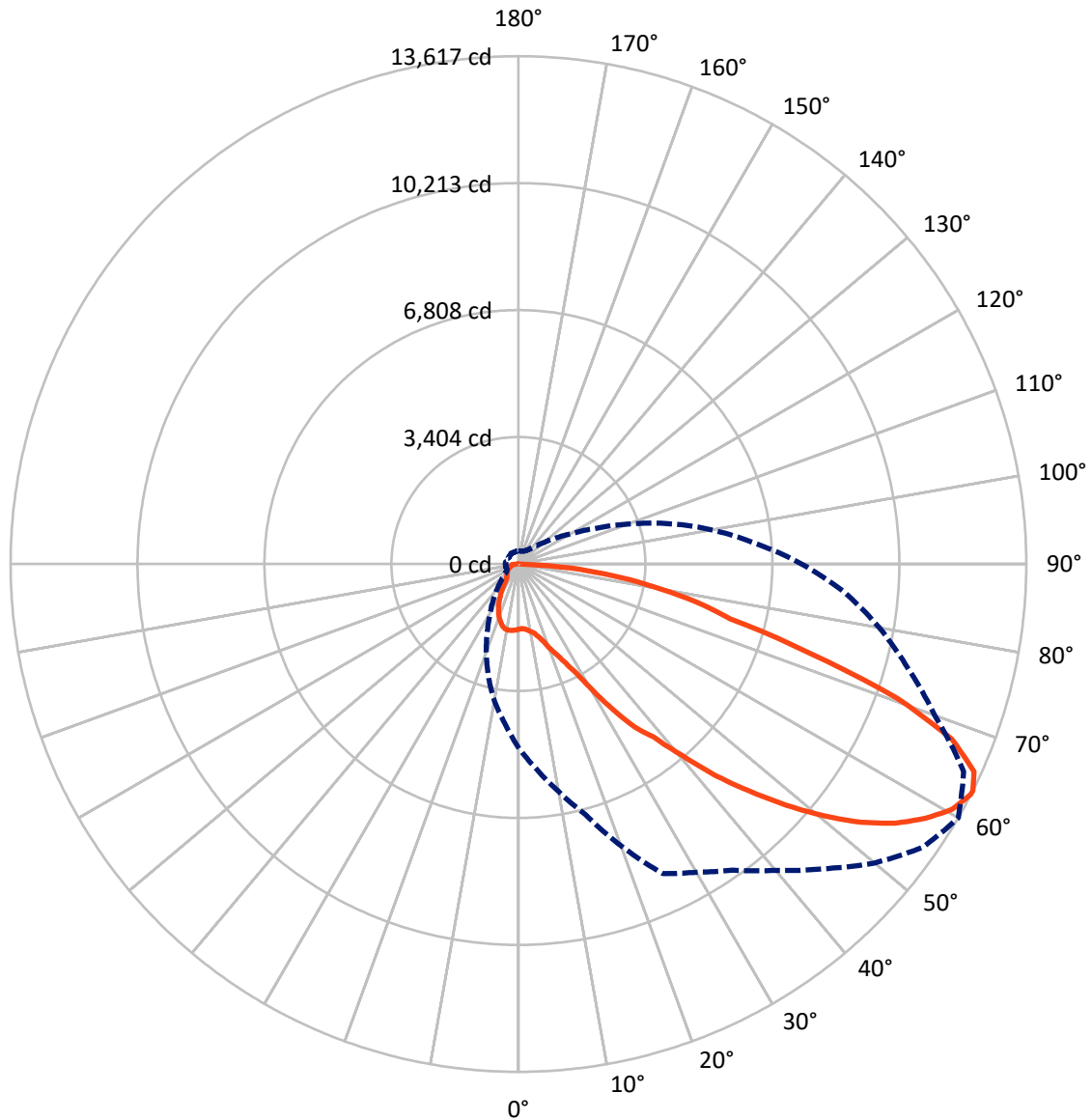
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3016.8	0.0	3016.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10895.5	0.0	10895.5
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	13912.3	0.0	13912.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.2	1.2
10°-20°	530.0	3.8
20°-30°	941.7	6.8
30°-40°	1482.9	10.7
40°-50°	2182.3	15.7
50°-60°	2898.7	20.8
60°-70°	3193.0	23.0
70°-80°	2003.3	14.4
80°-90°	510.2	3.7
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°	13912.3	100.0
0°-180°	13912.3	100.0



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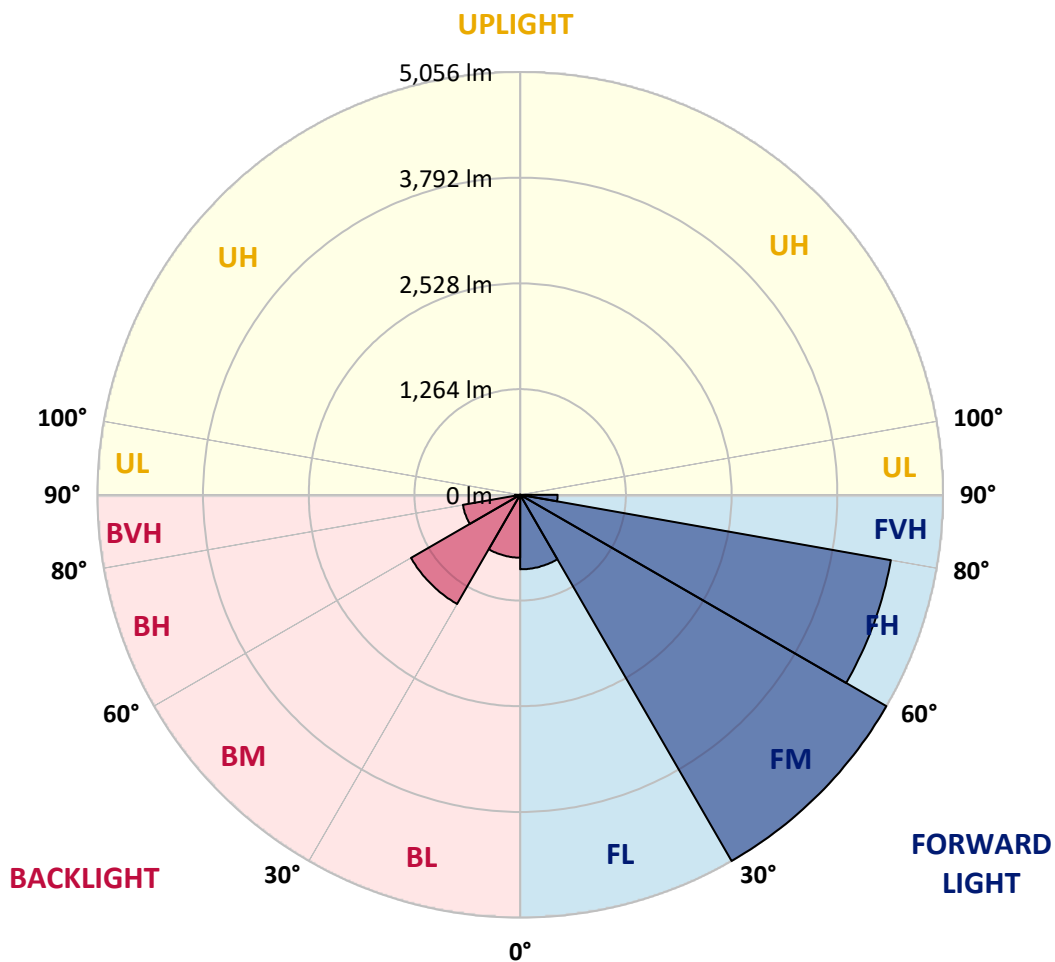
CATALOG NUMBER: VXS-E05-LED-E1-SLL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	890.8	6.4			
FM	(30°-60°)	5056.1	36.3			
FH	(60°-80°)	4500.8	32.4			G2/5000
FVH	(80°-90°)	447.7	3.2			G3/500
BL	(0°-30°)	751.1	5.4	B2/1000		
BM	(30°-60°)	1507.9	10.8	B2/2500		
BH	(60°-80°)	695.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	62.5	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
2.5°	1725.0	1728.3	1728.3	1726.6	1726.6	1729.9	1728.3	1726.6	1721.7	1728.3	1728.3
5°	1711.7	1715.0	1715.0	1718.3	1721.7	1725.0	1725.0	1728.3	1726.6	1733.4	1738.3
7.5°	1728.3	1731.7	1738.3	1746.6	1751.7	1763.3	1763.3	1771.7	1775.0	1780.0	1778.3
10°	1750.1	1758.3	1773.4	1786.6	1796.7	1809.9	1820.0	1831.7	1831.7	1836.7	1840.0
12.5°	1788.3	1796.7	1813.4	1830.1	1845.0	1861.7	1876.7	1888.3	1900.0	1903.3	1910.1
15°	1851.7	1861.7	1886.6	1910.1	1928.3	1950.1	1969.9	1993.4	2015.0	2020.0	2023.3
17.5°	1946.6	1966.6	1985.0	2026.6	2053.4	2081.7	2113.4	2146.6	2153.4	2188.3	2196.7
20°	2081.7	2106.6	2123.3	2175.0	2220.0	2256.7	2303.3	2341.7	2356.7	2390.1	2423.3
22.5°	2315.0	2310.1	2335.0	2386.6	2420.0	2493.4	2533.4	2573.4	2593.4	2643.3	2670.1
25°	2628.3	2655.0	2710.1	2715.0	2746.6	2831.7	2883.3	2923.3	2925.0	2940.0	2968.3
27.5°	2936.7	3046.6	3133.4	3180.0	3265.0	3343.3	3340.0	3396.7	3308.3	3326.6	3353.4
30°	3310.1	3493.4	3656.7	3766.6	3853.4	3945.0	3990.1	4021.7	3983.3	3966.6	3935.0
32.5°	3660.0	3916.7	4168.3	4363.3	4525.0	4676.7	4776.7	4821.7	4875.0	5010.1	5058.3
35°	3900.0	4263.3	4576.7	4858.3	5128.3	5369.9	5545.0	5645.0	5606.6	5588.3	5578.3
37.5°	4043.3	4486.6	4878.3	5276.7	5586.6	5948.3	6220.0	6483.3	6543.3	6438.3	6386.6
40°	4133.4	4658.3	5161.7	5631.7	6033.4	6500.0	6836.7	7231.7	7531.7	7571.7	7448.3
42.5°	4176.7	4773.4	5360.0	5891.7	6435.0	7006.6	7433.4	7911.7	8360.0	8668.3	8591.7
45°	4183.3	4848.3	5505.0	6126.6	6773.4	7451.7	8001.7	8531.7	9131.7	9660.0	9675.0
47.5°	4183.3	4905.0	5605.0	6296.7	7076.7	7838.3	8438.3	9065.0	9800.0	10425.0	10616.7
50°	4186.6	4943.3	5698.3	6430.1	7308.3	8165.0	8843.3	9583.3	10356.7	11036.7	11406.6
52.5°	4201.7	4971.7	5771.7	6525.0	7458.3	8395.0	9158.3	10011.7	10781.7	11480.0	11958.3
55°	4235.0	5011.7	5825.0	6583.3	7558.3	8545.0	9386.6	10305.0	11056.7	11765.0	12433.4
57.5°	4328.3	5081.7	5889.9	6635.0	7613.4	8643.3	9546.6	10431.7	11161.7	11900.0	12685.0
60°	4515.0	5230.1	6001.7	6738.3	7705.0	8825.0	9623.3	10346.6	11085.0	11860.0	12741.7
62.5°	4813.4	5461.7	6156.7	6913.4	7966.6	9106.6	9565.0	10093.4	10783.3	11628.3	12540.0
63°	4916.7	5511.7	6191.7	6951.7	8038.3	9158.3	9540.0	10018.3	10721.7	11555.0	12468.3
65°	5205.0	5733.4	6358.3	7145.0	8333.4	9209.9	9345.0	9628.3	10295.0	11136.7	12045.0
67.5°	5743.3	6271.7	6716.7	7471.7	8581.7	9006.6	8740.0	8775.0	9471.7	10343.3	11160.0
70°	6083.3	6713.4	6945.0	7513.4	8536.7	8705.0	7956.7	7493.4	8051.7	9045.0	9760.0
72.5°	5995.0	6718.3	6693.4	6958.3	7636.7	7793.4	7018.3	6288.3	6620.0	7361.7	7825.0
75°	5135.0	6000.0	5816.7	5763.3	6001.7	6105.0	5523.3	5411.7	5830.1	6241.7	6248.3
77.5°	3696.7	4648.3	4433.4	4125.0	4108.3	4346.6	4425.0	5156.7	5775.0	6100.0	5956.7
80°	2355.0	3386.6	3163.3	2625.0	2616.7	2926.6	3615.0	4610.1	5265.0	5446.6	5073.4
82.5°	1230.1	2216.7	2301.7	1969.9	2255.0	2768.3	3440.0	3715.0	3963.3	3988.3	3548.3
85°	766.6	1363.3	1603.3	1655.0	2036.7	2455.0	2449.9	2353.4	2243.3	1920.0	1736.7
87.5°	86.6	171.7	260.0	246.6	331.7	465.0	580.0	340.0	238.3	86.6	120.0
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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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
2.5°	1731.7	1733.4	1735.0	1735.0	1743.3	1741.7	1743.3	1746.6	1751.7	1755.0	1758.3
5°	1745.0	1745.0	1751.7	1756.7	1766.6	1773.4	1776.7	1786.6	1798.3	1795.0	1805.0
7.5°	1788.3	1786.6	1793.4	1796.7	1805.0	1816.7	1815.0	1823.3	1833.4	1836.7	1845.0
10°	1846.6	1841.7	1841.7	1838.3	1840.0	1836.7	1836.7	1836.7	1843.3	1841.7	1848.3
12.5°	1906.6	1905.0	1901.7	1891.7	1891.7	1878.3	1871.7	1863.3	1861.7	1849.9	1851.7
15°	2030.1	2030.1	2023.3	2003.3	1986.6	1975.0	1958.3	1946.6	1929.9	1908.3	1896.7
17.5°	2209.9	2186.6	2178.3	2175.0	2148.3	2138.3	2101.7	2063.3	2045.0	2015.0	1998.3
20°	2430.1	2425.0	2391.7	2375.0	2341.7	2295.0	2248.3	2198.3	2168.3	2131.7	2111.7
22.5°	2678.3	2641.7	2625.0	2600.0	2548.3	2495.0	2425.0	2358.3	2311.7	2286.6	2271.7
25°	2968.3	2931.7	2915.0	2881.7	2818.3	2761.7	2675.0	2596.7	2555.0	2513.4	2489.9
27.5°	3353.4	3318.3	3298.3	3211.7	3190.1	3096.7	2990.1	2883.3	2828.3	2766.6	2726.6
30°	3928.3	3929.9	3826.6	3721.7	3613.4	3451.7	3340.0	3220.0	3130.1	3041.7	2953.4
32.5°	4900.0	4651.7	4460.0	4235.0	4000.0	3828.3	3689.9	3546.6	3421.7	3293.4	3146.6
35°	5493.4	5373.4	5125.0	4713.4	4476.7	4268.3	4115.0	3941.7	3788.3	3561.7	3338.3
37.5°	6163.3	5885.0	5583.3	5355.0	5086.6	4845.0	4588.3	4391.7	4126.6	3821.7	3505.0
40°	7141.7	6743.3	6380.0	6073.4	5726.6	5473.4	5186.6	4901.7	4550.1	4108.3	3673.4
42.5°	8163.3	7751.7	7271.7	6873.4	6465.0	6168.3	5813.4	5413.4	4896.7	4350.1	3818.3
45°	9235.0	8685.0	8110.1	7623.3	7198.3	6830.1	6390.1	5860.0	5230.1	4566.6	3953.4
47.5°	10291.7	9660.0	8975.0	8451.7	7898.3	7448.3	6908.3	6238.3	5489.9	4771.7	4088.3
50°	11223.3	10615.0	9790.1	9125.0	8565.0	8009.9	7336.7	6529.9	5695.0	4948.3	4209.9
52.5°	12026.6	11503.3	10635.0	9795.0	9150.1	8526.6	7681.7	6765.0	5901.7	5111.7	4310.1
55°	12616.7	12268.3	11468.3	10426.6	9665.0	8921.7	7973.4	6991.7	6096.7	5241.7	4375.0
57.5°	13061.7	12868.3	12181.7	11021.7	10138.3	9305.0	8275.0	7263.3	6289.9	5353.4	4405.0
60°	13305.0	13358.3	12721.7	11541.7	10556.7	9625.0	8576.7	7495.0	6433.4	5418.3	4388.3
62.5°	13281.7	13608.3	13126.6	11861.7	10800.0	9815.0	8780.0	7603.3	6413.4	5315.0	4236.7
63°	13236.7	13616.7	13171.7	11883.3	10815.0	9821.7	8785.0	7588.3	6371.7	5265.0	4176.7
65°	12848.3	13425.0	13133.4	11785.0	10681.7	9696.7	8680.0	7371.7	6078.3	4996.7	3868.3
67.5°	11808.3	12529.9	12446.6	11089.9	10049.9	9180.0	8143.3	6673.4	5353.4	4336.7	3278.3
70°	10089.9	10768.3	10783.3	9645.0	8776.7	7923.3	7061.7	5430.1	4243.3	3361.7	2445.0
72.5°	7733.4	8169.9	8321.7	7571.7	6990.1	6390.1	5616.7	3941.7	3025.0	2286.6	1591.7
75°	5988.3	5868.3	5866.6	5550.1	5313.4	5020.0	4169.9	2660.0	1986.6	1486.6	973.4
77.5°	5383.3	4849.9	4333.4	3953.4	3763.3	3665.0	2735.0	1603.3	1171.7	855.0	560.0
80°	4440.0	3653.4	2951.7	2541.7	2378.3	2491.7	1525.0	866.6	641.7	486.6	363.3
82.5°	3061.7	2541.7	1931.7	1600.0	1373.4	1436.7	780.0	443.3	296.7	271.7	225.0
85°	1595.0	1398.3	1180.0	1013.4	895.0	786.6	405.0	211.7	123.3	108.3	98.3
87.5°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
2.5°	1763.3	1761.7	1765.0	1766.6	1771.7	1775.0	1776.7	1773.4	1778.3	1783.3	1780.0
5°	1809.9	1821.7	1823.3	1828.3	1828.3	1838.3	1838.3	1838.3	1836.7	1838.3	1835.0
7.5°	1849.9	1865.0	1866.6	1873.4	1875.0	1886.6	1881.7	1885.0	1885.0	1876.7	1873.4
10°	1855.0	1870.1	1878.3	1886.6	1898.3	1913.4	1913.4	1921.7	1921.7	1915.0	1913.4
12.5°	1856.7	1868.3	1876.7	1888.3	1905.0	1926.6	1938.3	1950.1	1955.0	1953.4	1948.3
15°	1891.7	1891.7	1893.4	1903.3	1915.0	1941.7	1958.3	1971.7	1980.0	1976.7	1968.3
17.5°	1983.3	1969.9	1960.0	1943.3	1946.6	1960.0	1969.9	1981.7	1983.3	1980.0	1966.6
20°	2089.9	2073.4	2048.3	2021.7	2008.3	1998.3	1991.7	1991.7	1986.6	1969.9	1948.3
22.5°	2241.7	2220.0	2185.0	2145.0	2118.3	2086.6	2048.3	2011.7	1971.7	1931.7	1885.0
25°	2451.7	2421.7	2385.0	2323.3	2266.6	2200.0	2121.7	2040.0	1945.0	1861.7	1793.4
27.5°	2663.3	2596.7	2501.7	2416.7	2311.7	2211.7	2100.0	2000.0	1878.3	1778.3	1703.3
30°	2838.3	2711.7	2575.0	2440.0	2301.7	2166.6	2033.4	1913.4	1780.0	1678.3	1605.0
32.5°	2973.4	2798.3	2608.3	2431.7	2261.7	2096.7	1943.3	1809.9	1675.0	1569.9	1491.7
35°	3098.3	2855.0	2613.4	2395.0	2185.0	2013.4	1840.0	1695.0	1551.7	1441.7	1356.7
37.5°	3191.7	2881.7	2583.3	2326.6	2085.0	1893.4	1716.7	1568.3	1421.7	1301.7	1205.0
40°	3251.7	2865.0	2518.3	2228.3	1966.6	1765.0	1585.0	1431.7	1290.1	1158.3	1041.7
42.5°	3300.0	2843.3	2453.4	2138.3	1873.4	1653.4	1468.3	1303.3	1160.0	1016.7	888.3
45°	3371.7	2860.0	2425.0	2075.0	1790.1	1558.3	1355.0	1183.3	1033.4	893.4	770.1
47.5°	3441.7	2868.3	2383.3	1996.7	1685.0	1460.0	1253.4	1086.6	933.4	805.0	691.7
50°	3505.0	2863.3	2318.3	1896.7	1583.3	1361.7	1161.7	995.0	843.3	725.0	618.3
52.5°	3535.0	2835.0	2238.3	1800.0	1501.7	1275.0	1071.7	910.1	760.0	648.3	550.1
55°	3531.7	2761.7	2133.4	1708.3	1411.7	1183.3	983.3	823.3	688.3	585.0	500.0
57.5°	3481.7	2648.3	2021.7	1606.6	1293.4	1070.1	880.0	725.0	611.7	525.0	453.4
60°	3376.7	2503.3	1875.0	1458.3	1145.0	929.9	751.7	618.3	526.6	460.0	413.4
62.5°	3180.0	2295.0	1691.7	1251.7	945.0	748.3	593.4	506.6	438.3	398.3	376.7
63°	3121.7	2238.3	1613.4	1201.7	898.3	706.6	560.0	470.1	420.0	385.0	365.0
65°	2831.7	1960.0	1350.1	969.9	698.3	545.0	449.9	381.7	351.7	336.7	335.0
67.5°	2293.4	1541.7	955.0	665.0	475.0	393.4	345.0	316.7	303.3	300.0	303.3
70°	1609.9	973.4	606.6	441.7	351.7	316.7	295.0	283.3	275.0	276.7	280.0
72.5°	1026.6	583.3	416.7	335.0	296.7	278.3	268.3	265.0	263.3	261.7	261.7
75°	585.0	388.3	320.0	289.9	270.1	255.0	246.6	243.3	245.0	246.6	243.3
77.5°	386.6	320.0	285.0	265.0	246.6	230.1	225.0	223.3	226.6	230.1	230.1
80°	305.0	285.0	265.0	245.0	215.0	203.3	206.6	208.3	206.6	208.3	203.3
82.5°	215.0	211.7	216.7	208.3	178.3	168.3	165.0	166.6	163.3	163.3	160.0
85°	100.0	100.0	105.0	105.0	101.7	103.3	111.7	121.7	126.6	121.7	115.0
87.5°	0.0	0.0	0.0	0.0	0.0	15.0	30.1	43.3	46.6	58.3	56.7
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: P152750

CATALOG NUMBER: VXS-E05-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
2.5°	1775.0	1778.3	1776.7	1775.0	1778.3	1775.0	1776.7	1775.0	1775.0	1773.4	1773.4
5°	1831.7	1836.7	1826.6	1825.0	1821.7	1813.4	1813.4	1809.9	1809.9	1803.3	1798.3
7.5°	1868.3	1870.1	1861.7	1860.0	1851.7	1843.3	1836.7	1830.1	1828.3	1823.3	1813.4
10°	1903.3	1900.0	1893.4	1885.0	1876.7	1865.0	1856.7	1848.3	1846.6	1838.3	1826.6
12.5°	1933.4	1931.7	1918.3	1910.1	1896.7	1885.0	1875.0	1865.0	1860.0	1849.9	1833.4
15°	1953.4	1943.3	1926.6	1911.7	1896.7	1883.3	1871.7	1860.0	1855.0	1843.3	1826.6
17.5°	1945.0	1926.6	1905.0	1886.6	1866.6	1849.9	1840.0	1828.3	1820.0	1813.4	1790.1
20°	1915.0	1888.3	1855.0	1833.4	1806.6	1785.0	1778.3	1766.6	1760.0	1735.0	1705.0
22.5°	1836.7	1798.3	1756.7	1725.0	1695.0	1673.4	1656.7	1645.0	1628.3	1613.4	1566.6
25°	1738.3	1695.0	1651.7	1613.4	1573.4	1540.0	1510.1	1481.7	1473.4	1441.7	1396.7
27.5°	1643.3	1595.0	1551.7	1506.6	1455.0	1413.4	1361.7	1321.7	1295.0	1261.7	1220.0
30°	1541.7	1493.4	1435.0	1375.0	1315.0	1270.1	1211.7	1163.3	1129.9	1095.0	1056.7
32.5°	1413.4	1355.0	1285.0	1218.3	1163.3	1110.1	1051.7	1005.0	971.7	940.0	903.3
35°	1266.6	1190.1	1115.0	1041.7	983.3	938.3	886.6	851.7	828.3	800.0	761.7
37.5°	1098.3	1011.7	931.7	875.0	823.3	780.0	743.3	721.7	696.7	681.7	658.3
40°	928.3	843.3	765.0	713.4	670.1	645.0	625.0	620.0	603.3	583.3	568.3
42.5°	778.3	696.7	620.0	578.3	550.1	543.3	533.4	533.4	525.0	510.1	500.0
45°	676.7	591.7	525.0	495.0	480.0	478.3	473.4	473.4	471.7	465.0	453.4
47.5°	603.3	526.6	475.0	456.7	453.4	449.9	445.0	443.3	441.7	436.7	430.1
50°	536.7	471.7	438.3	430.1	431.7	426.6	421.7	416.7	415.0	410.1	403.3
52.5°	475.0	428.3	406.6	401.7	401.7	401.7	398.3	398.3	395.0	393.4	386.6
55°	440.0	405.0	393.4	391.7	390.1	388.3	385.0	385.0	381.7	380.0	371.7
57.5°	410.1	388.3	381.7	378.3	376.7	373.4	371.7	371.7	371.7	371.7	361.7
60°	386.6	376.7	375.0	371.7	369.9	363.3	360.0	358.3	360.0	361.7	351.7
62.5°	361.7	360.0	358.3	355.0	353.4	346.6	341.7	338.3	341.7	345.0	343.3
63°	355.0	353.4	353.4	351.7	350.1	341.7	336.7	333.4	336.7	340.0	340.0
65°	331.7	333.4	333.4	331.7	329.9	325.0	318.3	315.0	316.7	321.7	323.3
67.5°	306.6	308.3	306.6	308.3	306.6	303.3	298.3	295.0	293.4	295.0	296.7
70°	283.3	286.6	285.0	283.3	281.7	281.7	278.3	273.4	271.7	270.1	270.1
72.5°	263.3	263.3	260.0	260.0	258.3	258.3	255.0	249.9	248.3	248.3	245.0
75°	241.7	241.7	236.7	236.7	233.4	235.0	231.7	226.6	225.0	225.0	223.3
77.5°	228.3	223.3	215.0	213.4	211.7	211.7	209.9	205.0	203.3	203.3	201.7
80°	201.7	191.7	183.3	181.7	183.3	186.6	186.6	183.3	183.3	183.3	183.3
82.5°	156.7	153.4	148.3	145.0	145.0	150.1	156.7	160.0	163.3	166.6	166.6
85°	115.0	116.7	115.0	110.1	108.3	113.4	120.0	126.6	128.3	135.0	133.4
87.5°	61.7	63.3	58.3	56.7	61.7	65.0	71.7	73.4	76.7	78.3	80.0
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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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
2.5°	1771.7	1769.9	1771.7	1768.3	1768.3	1765.0	1761.7	1760.0	1756.7	1755.0	1751.7
5°	1801.7	1796.7	1791.7	1790.1	1783.3	1776.7	1771.7	1763.3	1756.7	1745.0	1741.7
7.5°	1821.7	1809.9	1803.3	1801.7	1791.7	1786.6	1775.0	1765.0	1755.0	1740.0	1735.0
10°	1830.1	1818.3	1806.6	1801.7	1790.1	1781.7	1769.9	1755.0	1746.6	1731.7	1728.3
12.5°	1840.0	1818.3	1800.0	1786.6	1769.9	1751.7	1740.0	1731.7	1720.0	1711.7	1708.3
15°	1821.7	1793.4	1765.0	1740.0	1713.4	1693.4	1681.7	1668.3	1655.0	1649.9	1649.9
17.5°	1771.7	1735.0	1686.6	1655.0	1626.6	1605.0	1590.1	1576.7	1575.0	1568.3	1571.7
20°	1668.3	1620.0	1573.4	1550.1	1533.4	1520.0	1505.0	1498.3	1493.4	1483.3	1480.0
22.5°	1525.0	1485.0	1451.7	1435.0	1421.7	1405.0	1391.7	1371.7	1366.6	1356.7	1351.7
25°	1366.6	1335.0	1306.6	1295.0	1286.6	1263.3	1255.0	1228.3	1209.9	1198.3	1205.0
27.5°	1208.3	1185.0	1158.3	1143.3	1138.3	1116.7	1108.3	1078.3	1063.3	1063.3	1046.6
30°	1045.0	1023.3	1006.6	990.1	986.6	960.0	938.3	926.6	910.1	903.3	891.7
32.5°	891.7	870.1	856.7	848.3	835.0	813.4	791.7	771.7	745.0	735.0	729.9
35°	750.1	733.4	716.7	710.1	691.7	668.3	641.7	625.0	593.4	581.7	576.7
37.5°	641.7	621.7	609.9	591.7	573.4	548.3	528.3	513.4	501.7	496.7	496.7
40°	555.0	540.0	526.6	511.7	496.7	483.3	473.4	470.1	468.3	468.3	471.7
42.5°	489.9	476.7	470.1	461.7	456.7	456.7	455.0	456.7	458.3	460.0	465.0
45°	446.6	438.3	435.0	433.4	436.7	440.0	441.7	445.0	451.7	455.0	456.7
47.5°	423.3	416.7	415.0	416.7	421.7	428.3	435.0	440.0	445.0	446.6	448.3
50°	400.0	391.7	388.3	391.7	398.3	408.3	413.4	421.7	425.0	428.3	425.0
52.5°	380.0	373.4	371.7	371.7	378.3	385.0	391.7	398.3	400.0	400.0	398.3
55°	363.3	358.3	353.4	356.7	361.7	368.3	378.3	383.3	386.6	388.3	388.3
57.5°	350.1	345.0	340.0	343.3	348.3	355.0	365.0	369.9	373.4	378.3	380.0
60°	340.0	333.4	328.3	333.4	338.3	348.3	356.7	361.7	369.9	371.7	371.7
62.5°	329.9	323.3	315.0	320.0	320.0	325.0	333.4	340.0	348.3	351.7	351.7
63°	328.3	321.7	313.4	316.7	316.7	320.0	326.6	333.4	343.3	346.6	345.0
65°	315.0	313.4	305.0	305.0	301.7	305.0	310.1	316.7	321.7	326.6	326.6
67.5°	293.4	291.7	289.9	289.9	289.9	293.4	296.7	301.7	306.6	310.1	308.3
70°	268.3	268.3	268.3	270.1	270.1	273.4	275.0	273.4	278.3	281.7	280.0
72.5°	246.6	245.0	243.3	246.6	245.0	245.0	248.3	246.6	251.7	251.7	253.4
75°	223.3	221.7	221.7	223.3	220.0	216.7	218.3	218.3	220.0	220.0	223.3
77.5°	203.3	203.3	203.3	201.7	198.3	196.7	195.0	195.0	195.0	195.0	196.7
80°	185.0	185.0	185.0	183.3	180.0	176.7	173.4	171.7	169.9	161.7	161.7
82.5°	166.6	166.6	166.6	166.6	165.0	161.7	156.7	143.3	136.7	129.9	131.7
85°	131.7	135.0	138.3	143.3	141.7	141.7	131.7	115.0	105.0	98.3	100.0
87.5°	85.0	75.0	75.0	73.4	70.1	66.6	66.6	56.7	46.6	41.7	43.3
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: P152750  
 CATALOG NUMBER: VXS-E05-LED-E1-SLL

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	0°
2.5°	1751.7	1748.3	1745.0	1745.0	1740.0	1740.0	1736.7	1743.3	1736.7	1731.7	1731.7	2.5°
5°	1738.3	1735.0	1725.0	1723.3	1716.7	1716.7	1716.7	1713.4	1713.4	1710.1	1708.3	5°
7.5°	1729.9	1721.7	1713.4	1708.3	1708.3	1705.0	1711.7	1708.3	1710.1	1710.1	1711.7	7.5°
10°	1723.3	1716.7	1713.4	1711.7	1711.7	1716.7	1721.7	1723.3	1721.7	1723.3	1723.3	10°
12.5°	1706.6	1710.1	1711.7	1718.3	1726.6	1736.7	1748.3	1750.1	1753.4	1753.4	1756.7	12.5°
15°	1653.4	1661.7	1671.7	1688.3	1710.1	1731.7	1753.4	1771.7	1788.3	1796.7	1803.3	15°
17.5°	1578.3	1586.6	1605.0	1623.3	1651.7	1683.3	1720.0	1751.7	1786.6	1818.3	1849.9	17.5°
20°	1476.7	1490.1	1495.0	1528.3	1561.7	1605.0	1648.3	1698.3	1758.3	1818.3	1880.0	20°
22.5°	1345.0	1360.0	1383.3	1409.9	1445.0	1498.3	1550.1	1628.3	1708.3	1793.4	1889.9	22.5°
25°	1198.3	1215.0	1235.0	1263.3	1298.3	1355.0	1430.1	1513.4	1611.7	1723.3	1843.3	25°
27.5°	1046.6	1063.3	1080.0	1100.0	1140.0	1200.0	1288.3	1375.0	1483.3	1605.0	1745.0	27.5°
30°	895.0	896.7	906.6	931.7	973.4	1051.7	1116.7	1225.0	1338.3	1466.6	1628.3	30°
32.5°	728.3	726.6	738.3	760.0	800.0	875.0	955.0	1060.0	1171.7	1333.4	1500.0	32.5°
35°	580.0	580.0	601.7	623.3	668.3	721.7	791.7	885.0	1016.7	1166.6	1333.4	35°
37.5°	501.7	513.4	526.6	548.3	583.3	625.0	686.6	768.3	871.7	1015.0	1168.3	37.5°
40°	476.7	483.3	495.0	515.0	545.0	583.3	628.3	689.9	770.1	885.0	1025.0	40°
42.5°	466.6	468.3	475.0	489.9	516.7	555.0	601.7	656.7	716.7	798.3	920.0	42.5°
45°	456.7	455.0	458.3	470.1	491.7	535.0	588.3	648.3	708.3	776.7	876.7	45°
47.5°	448.3	448.3	448.3	453.4	473.4	516.7	578.3	648.3	720.0	796.7	895.0	47.5°
50°	425.0	423.3	423.3	426.6	441.7	488.3	561.7	646.6	740.0	840.0	951.7	50°
52.5°	398.3	398.3	400.0	401.7	415.0	461.7	543.3	646.6	763.3	896.7	1036.7	52.5°
55°	390.1	391.7	393.4	391.7	401.7	441.7	523.3	636.7	773.4	941.7	1128.3	55°
57.5°	383.3	386.6	386.6	385.0	391.7	425.0	503.3	616.7	765.0	958.3	1193.4	57.5°
60°	373.4	373.4	373.4	368.3	371.7	401.7	473.4	585.0	738.3	943.3	1203.3	60°
62.5°	351.7	351.7	348.3	346.6	345.0	368.3	433.4	538.3	689.9	903.3	1178.3	62.5°
63°	346.6	345.0	345.0	340.0	340.0	361.7	425.0	531.7	676.7	893.4	1168.3	63°
65°	328.3	328.3	328.3	325.0	323.3	340.0	391.7	485.0	625.0	846.6	1118.3	65°
67.5°	308.3	310.1	306.6	305.0	303.3	313.4	353.4	426.6	545.0	748.3	1025.0	67.5°
70°	280.0	281.7	281.7	280.0	278.3	285.0	310.1	366.6	451.7	623.3	873.4	70°
72.5°	255.0	258.3	258.3	261.7	261.7	266.6	276.7	305.0	361.7	486.6	686.6	72.5°
75°	228.3	230.1	233.4	236.7	233.4	231.7	233.4	255.0	283.3	360.0	489.9	75°
77.5°	205.0	209.9	209.9	208.3	203.3	200.0	200.0	209.9	233.4	273.4	350.1	77.5°
80°	169.9	178.3	180.0	175.0	169.9	169.9	173.4	180.0	195.0	225.0	265.0	80°
82.5°	136.7	145.0	146.6	148.3	146.6	151.7	151.7	153.4	161.7	185.0	216.7	82.5°
85°	105.0	111.7	116.7	118.3	120.0	121.7	120.0	111.7	116.7	131.7	146.6	85°
87.5°	46.6	48.3	45.0	46.6	45.0	46.6	48.3	40.0	38.3	51.7	53.4	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: P152750

NUMBER: VXS-E05-LED-E1-SLL

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1748.3	1748.3	1748.3	1748.3	1748.3	1748.3	1748.3
1729.9	1729.9	1731.7	1728.3	1728.3	1729.9	1725.0
1703.3	1710.1	1710.1	1710.1	1706.6	1710.1	1711.7
1710.1	1715.0	1718.3	1718.3	1716.7	1723.3	1728.3
1718.3	1726.6	1729.9	1729.9	1729.9	1738.3	1750.1
1750.1	1756.7	1761.7	1761.7	1765.0	1775.0	1788.3
1808.3	1816.7	1816.7	1815.0	1825.0	1836.7	1851.7
1873.4	1896.7	1908.3	1906.6	1915.0	1929.9	1946.6
1935.0	2000.0	2028.3	2048.3	2056.7	2076.7	2081.7
1986.6	2095.0	2173.4	2240.0	2271.7	2291.7	2315.0
1968.3	2115.0	2255.0	2391.7	2488.3	2586.6	2628.3
1893.4	2076.7	2260.0	2460.0	2635.0	2809.9	2936.7
1801.7	2021.7	2268.3	2551.7	2828.3	3096.7	3310.1
1696.7	1969.9	2286.6	2636.7	3000.0	3351.7	3660.0
1565.0	1871.7	2241.7	2645.0	3073.4	3500.0	3900.0
1398.3	1738.3	2136.7	2585.0	3076.7	3565.0	4043.3
1231.7	1569.9	2003.3	2498.3	3033.4	3580.0	4133.4
1115.0	1420.0	1868.3	2388.3	2963.3	3556.7	4176.7
1035.0	1311.7	1748.3	2288.3	2888.3	3515.0	4183.3
1028.3	1265.0	1670.1	2215.0	2828.3	3478.3	4183.3
1085.0	1290.1	1643.3	2178.3	2803.3	3466.6	4186.6
1191.7	1390.1	1691.7	2206.6	2823.3	3481.7	4201.7
1320.0	1541.7	1821.7	2305.0	2908.3	3531.7	4235.0
1436.7	1716.7	2043.3	2495.0	3063.3	3658.3	4328.3
1505.0	1866.6	2278.3	2761.7	3328.3	3910.1	4515.0
1513.4	1950.1	2486.6	3051.7	3649.9	4198.3	4813.4
1506.6	1956.7	2513.4	3106.6	3718.3	4270.1	4916.7
1470.1	1958.3	2588.3	3300.0	3955.0	4571.7	5205.0
1376.7	1905.0	2615.0	3451.7	4253.4	4968.3	5743.3
1215.0	1753.4	2536.7	3455.0	4368.3	5190.1	6083.3
976.7	1465.0	2198.3	3143.3	4065.0	4971.7	5995.0
715.0	1076.7	1661.7	2435.0	3316.7	4138.3	5135.0
475.0	696.7	1120.0	1735.0	2378.3	2978.3	3696.7
326.6	431.7	655.0	1043.3	1455.0	1746.6	2355.0
240.0	285.0	363.3	533.4	700.0	861.7	1230.1
150.1	163.3	181.7	263.3	376.7	508.3	766.6
40.0	41.7	38.3	51.7	81.7	78.3	86.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)