

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: P152733

Luminaire Tested: **VXS-F03-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152733
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-F03-LED-E1-SLL-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5815.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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

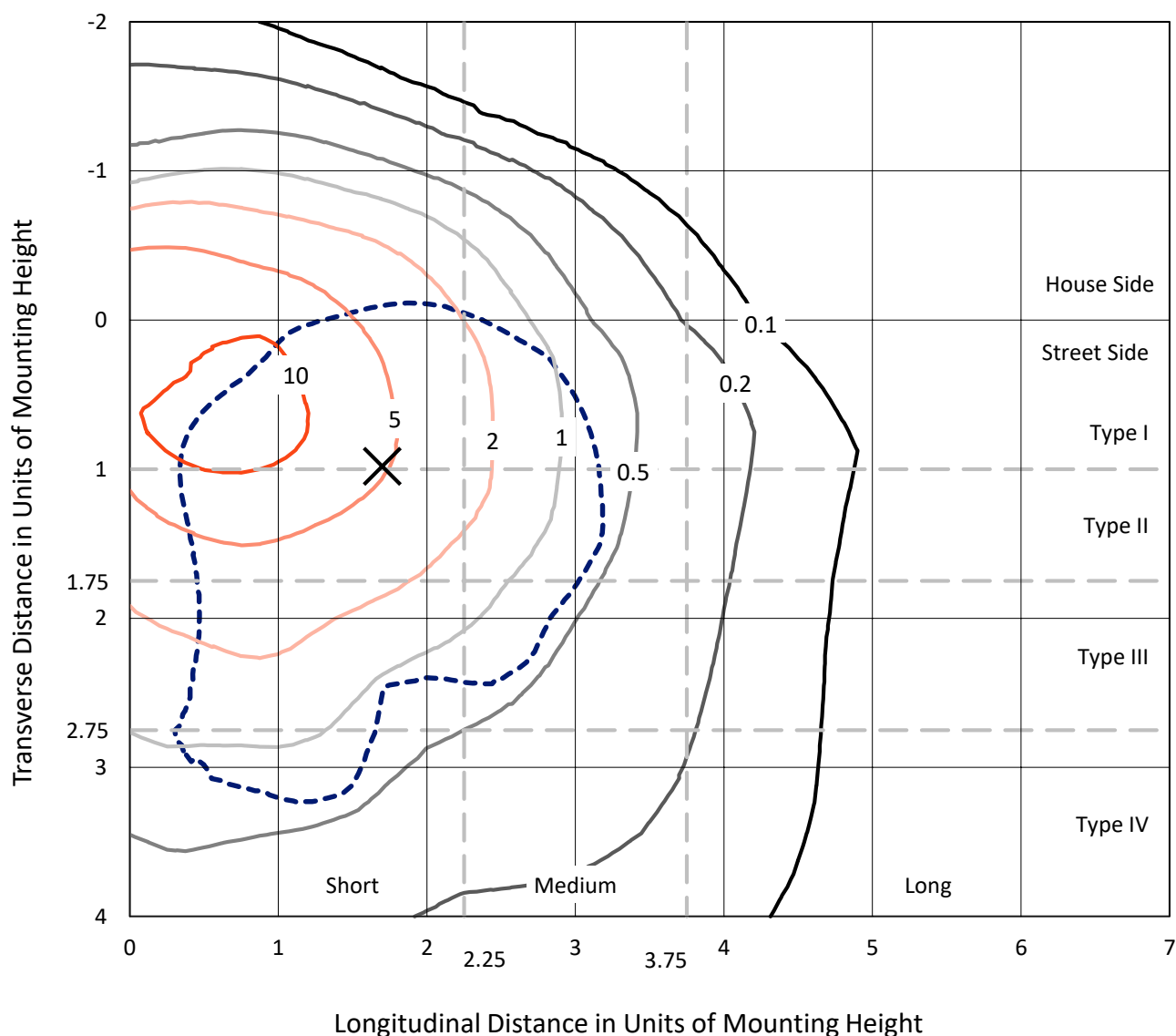


REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

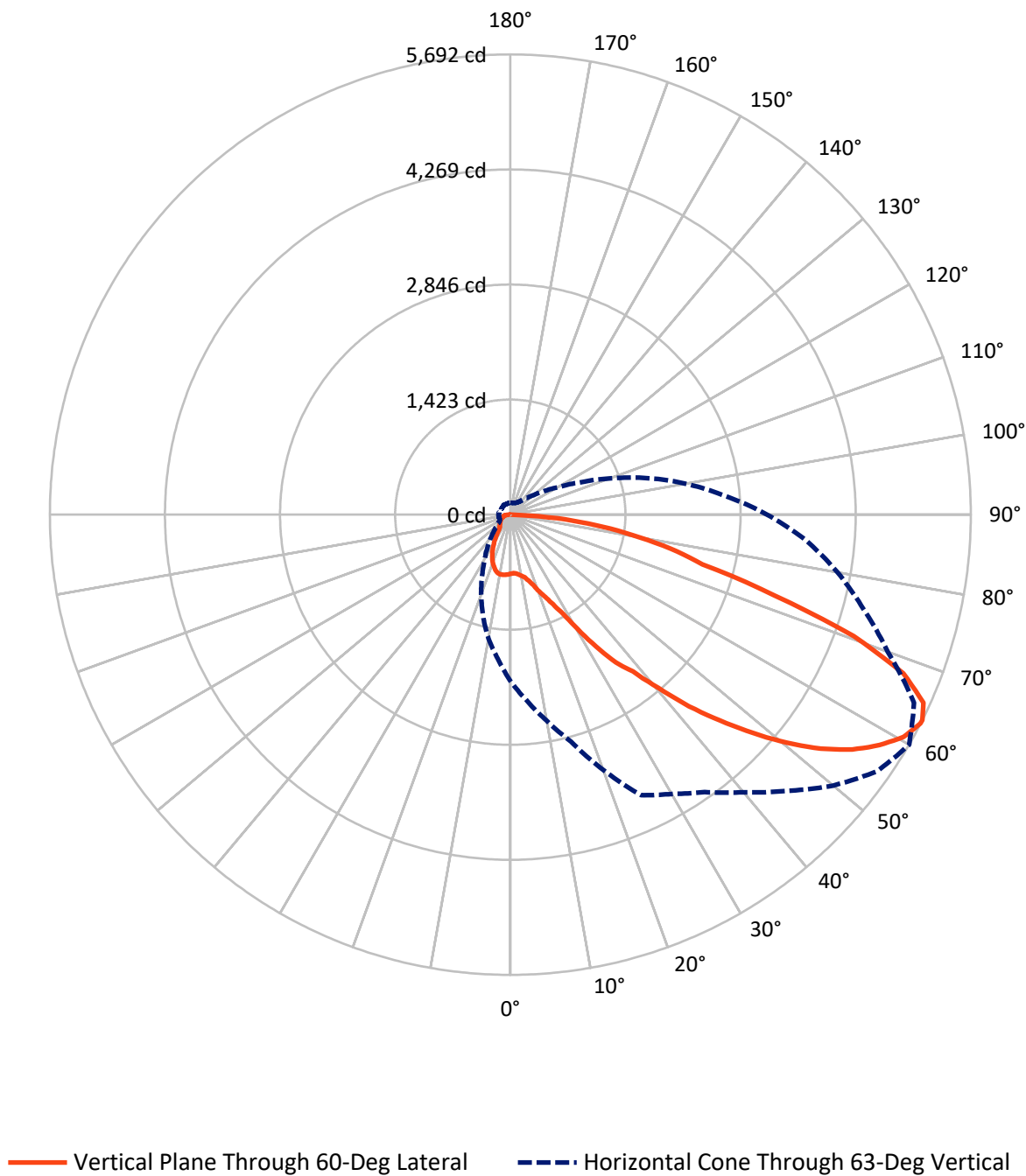


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1261.2	0.0	1261.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4554.8	0.0	4554.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	5815.9	0.0	5815.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.2
10°-20°	221.6	3.8
20°-30°	393.7	6.8
30°-40°	619.9	10.7
40°-50°	912.3	15.7
50°-60°	1211.8	20.8
60°-70°	1334.8	23.0
70°-80°	837.4	14.4
80°-90°	213.3	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°	5815.9	100.0
0°-180°	5815.9	100.0

Coefficient of Utilization



REPORT NUMBER: P152733

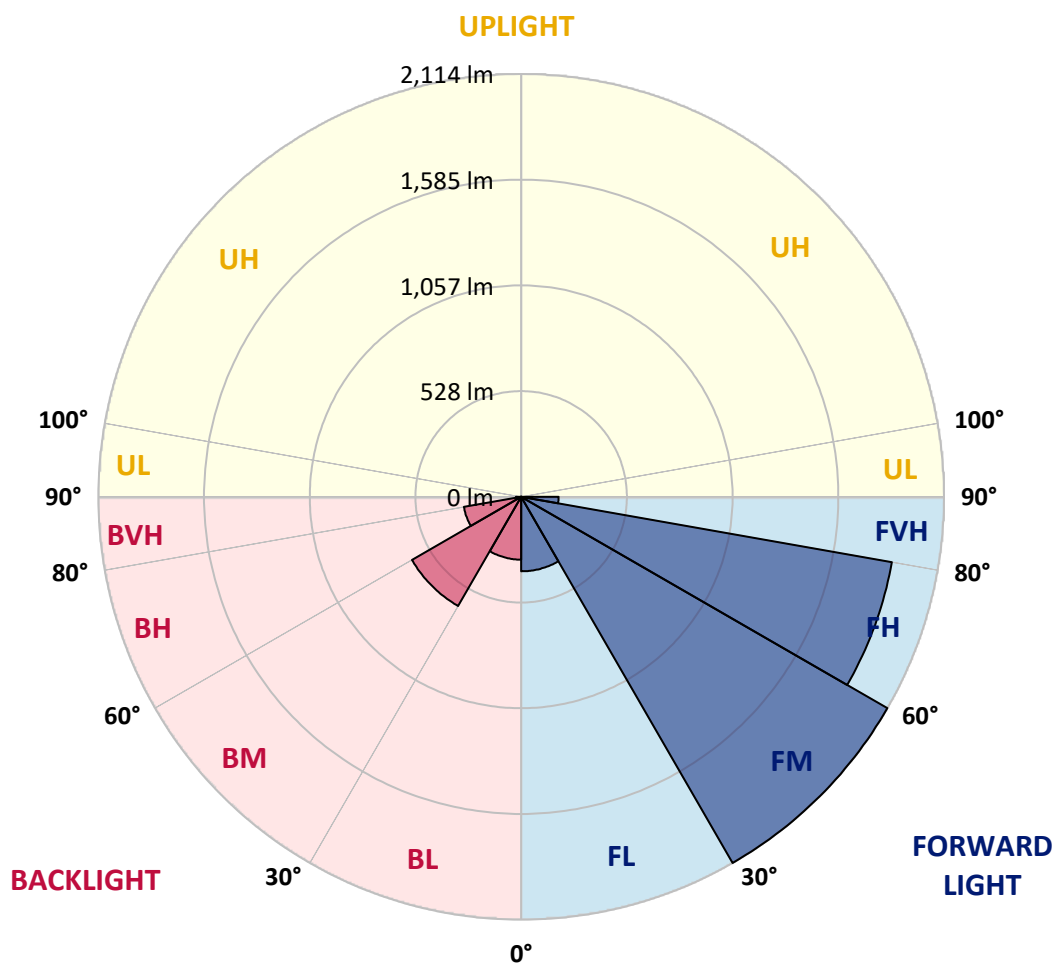
CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.4	6.4			
FM	(30°-60°)	2113.6	36.3			
FH	(60°-80°)	1881.5	32.4			G2/5000
FVH	(80°-90°)	187.2	3.2			G2/225
BL	(0°-30°)	314.0	5.4	B1/500		
BM	(30°-60°)	630.4	10.8	B1/1000		
BH	(60°-80°)	290.7	5.0	B1/500		G1/500
BVH	(80°-90°)	26.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9
2.5°	721.1	722.5	722.5	721.9	721.9	723.2	722.5	721.9	719.7	722.5	722.5
5°	715.5	716.9	716.9	718.3	719.7	721.1	721.1	722.5	721.9	724.6	726.7
7.5°	722.5	723.9	726.7	730.2	732.2	737.1	737.1	740.6	742.1	744.1	743.4
10°	731.6	735.0	741.3	746.9	751.1	756.7	760.8	765.7	765.7	767.8	769.2
12.5°	747.6	751.1	758.0	765.0	771.3	778.2	784.6	789.4	794.3	795.6	798.4
15°	774.1	778.2	788.7	798.4	806.1	815.1	823.5	833.3	842.4	844.5	845.8
17.5°	813.8	822.2	829.8	847.3	858.3	870.3	883.4	897.4	900.2	914.8	918.3
20°	870.3	880.7	887.7	909.2	928.1	943.4	962.9	979.0	985.2	999.1	1013.1
22.5°	967.8	965.7	976.2	997.7	1011.7	1042.3	1059.1	1075.8	1084.1	1105.0	1116.2
25°	1098.8	1109.9	1132.8	1135.0	1148.2	1183.7	1205.4	1222.1	1222.8	1229.0	1240.9
27.5°	1227.7	1273.7	1309.8	1329.3	1364.9	1397.6	1396.3	1419.9	1383.0	1390.7	1401.9
30°	1383.7	1460.3	1528.6	1574.6	1610.9	1649.2	1668.0	1681.2	1665.2	1658.2	1645.0
32.5°	1530.1	1637.3	1742.5	1824.0	1891.6	1955.0	1996.9	2015.6	2037.9	2094.4	2114.6
35°	1630.4	1782.3	1913.3	2031.0	2143.8	2244.9	2318.0	2359.8	2343.8	2336.2	2332.0
37.5°	1690.3	1875.6	2039.4	2205.9	2335.4	2486.6	2600.2	2710.3	2735.3	2691.5	2669.8
40°	1727.9	1947.4	2157.8	2354.3	2522.2	2717.3	2858.0	3023.1	3148.5	3165.3	3113.7
42.5°	1746.0	1995.4	2240.7	2463.0	2690.1	2929.1	3107.5	3307.4	3494.8	3623.7	3591.7
45°	1748.8	2026.8	2301.3	2561.2	2831.5	3115.1	3345.1	3566.6	3817.4	4038.2	4044.6
47.5°	1748.8	2050.5	2343.1	2632.2	2958.3	3276.8	3527.6	3789.5	4096.8	4358.0	4438.2
50°	1750.2	2066.5	2382.2	2688.0	3055.2	3413.3	3696.9	4006.2	4329.5	4613.8	4768.5
52.5°	1756.5	2078.3	2412.7	2727.7	3117.9	3509.4	3828.6	4185.3	4507.2	4799.1	4999.1
55°	1770.4	2095.1	2435.1	2752.1	3159.7	3572.1	3924.0	4307.9	4622.2	4918.2	5197.6
57.5°	1809.4	2124.4	2462.3	2773.7	3182.7	3613.3	3990.9	4360.8	4666.0	4974.7	5302.9
60°	1887.5	2186.3	2508.9	2816.9	3221.0	3689.2	4022.9	4325.3	4634.0	4957.9	5326.5
62.5°	2012.1	2283.2	2573.8	2890.1	3330.4	3806.9	3998.5	4219.5	4507.9	4861.1	5242.3
63°	2055.3	2304.1	2588.4	2906.1	3360.3	3828.6	3988.1	4188.1	4482.1	4830.5	5212.2
65°	2175.9	2396.8	2658.0	2986.9	3483.6	3850.2	3906.6	4025.1	4303.7	4655.5	5035.3
67.5°	2400.9	2621.9	2807.9	3123.4	3587.5	3765.2	3653.7	3668.3	3959.6	4323.9	4665.4
70°	2543.1	2806.4	2903.3	3140.9	3568.7	3639.1	3326.2	3132.5	3365.9	3781.1	4080.1
72.5°	2506.1	2808.5	2798.1	2908.9	3192.4	3257.9	2934.0	2628.8	2767.5	3077.5	3271.2
75°	2146.6	2508.3	2431.6	2409.3	2508.9	2552.1	2309.0	2262.3	2437.2	2609.3	2612.0
77.5°	1545.4	1943.2	1853.4	1724.5	1717.4	1817.1	1849.8	2155.8	2414.2	2550.1	2490.2
80°	984.5	1415.8	1322.4	1097.4	1093.9	1223.4	1511.2	1927.2	2201.0	2276.9	2120.8
82.5°	514.2	926.6	962.2	823.5	942.7	1157.3	1438.0	1553.1	1656.8	1667.3	1483.3
85°	320.5	569.9	670.3	691.8	851.4	1026.3	1024.2	983.8	937.8	802.6	726.0
87.5°	36.3	71.8	108.7	103.1	138.7	194.4	242.5	142.2	99.6	36.3	50.2
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: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9
2.5°	723.9	724.6	725.3	725.3	728.8	728.1	728.8	730.2	732.2	733.7	735.0
5°	729.5	729.5	732.2	734.4	738.5	741.3	742.7	746.9	751.8	750.4	754.6
7.5°	747.6	746.9	749.6	751.1	754.6	759.5	758.8	762.3	766.4	767.8	771.3
10°	772.0	769.8	769.8	768.5	769.2	767.8	767.8	767.8	770.6	769.8	772.6
12.5°	797.1	796.4	795.0	790.8	790.8	785.2	782.4	779.0	778.2	773.4	774.1
15°	848.6	848.6	845.8	837.5	830.5	825.6	818.7	813.8	806.8	797.7	792.8
17.5°	923.8	914.1	910.7	909.2	898.1	893.9	878.5	862.6	854.9	842.4	835.3
20°	1015.9	1013.8	999.8	992.8	979.0	959.4	939.9	919.0	906.4	891.1	882.8
22.5°	1119.7	1104.4	1097.4	1086.9	1065.3	1043.0	1013.8	985.9	966.3	956.0	949.6
25°	1240.9	1225.6	1218.5	1204.7	1178.1	1154.5	1118.2	1085.5	1068.1	1050.7	1040.9
27.5°	1401.9	1387.2	1378.9	1342.6	1333.6	1294.5	1249.9	1205.4	1182.4	1156.6	1139.9
30°	1642.2	1642.9	1599.7	1555.9	1510.6	1442.9	1396.3	1346.1	1308.5	1271.5	1234.6
32.5°	2048.4	1944.6	1864.5	1770.4	1672.1	1600.4	1542.6	1482.7	1430.4	1376.8	1315.4
35°	2296.5	2246.3	2142.5	1970.4	1871.4	1784.4	1720.2	1647.8	1583.7	1488.9	1395.5
37.5°	2576.5	2460.2	2334.1	2238.7	2126.4	2025.4	1918.1	1835.9	1725.1	1597.6	1465.3
40°	2985.5	2819.0	2667.2	2538.9	2394.0	2288.1	2168.3	2049.1	1902.1	1717.4	1535.6
42.5°	3412.6	3240.5	3039.9	2873.4	2702.6	2578.7	2430.3	2263.0	2047.0	1818.4	1596.3
45°	3860.6	3630.7	3390.4	3186.8	3009.2	2855.2	2671.3	2449.7	2186.3	1909.0	1652.6
47.5°	4302.4	4038.2	3751.9	3533.2	3301.9	3113.7	2888.0	2607.9	2295.0	1994.7	1709.1
50°	4691.8	4437.5	4092.6	3814.6	3580.5	3348.5	3067.0	2729.8	2380.7	2068.6	1760.0
52.5°	5027.7	4808.9	4445.9	4094.7	3825.1	3564.5	3211.3	2828.1	2467.2	2136.9	1801.8
55°	5274.3	5128.7	4794.2	4358.8	4040.4	3729.6	3333.2	2922.8	2548.7	2191.2	1828.9
57.5°	5460.3	5379.5	5092.4	4607.5	4238.2	3889.8	3459.3	3036.4	2629.4	2237.9	1841.5
60°	5562.1	5584.4	5318.1	4824.9	4413.2	4023.6	3585.4	3133.3	2689.4	2265.1	1834.5
62.5°	5552.3	5688.8	5487.5	4958.7	4514.8	4103.1	3670.4	3178.5	2681.0	2221.9	1771.1
63°	5533.5	5692.3	5506.3	4967.8	4521.1	4105.9	3672.5	3172.2	2663.6	2201.0	1746.0
65°	5371.1	5612.2	5490.3	4926.6	4465.4	4053.6	3628.6	3081.7	2541.0	2088.8	1617.1
67.5°	4936.4	5238.0	5203.2	4636.1	4201.3	3837.6	3404.2	2789.7	2237.9	1813.0	1370.5
70°	4218.0	4501.7	4507.9	4032.0	3669.0	3312.3	2952.0	2269.9	1773.9	1405.3	1022.1
72.5°	3232.8	3415.4	3478.8	3165.3	2922.1	2671.3	2348.0	1647.8	1264.6	956.0	665.4
75°	2503.4	2453.2	2452.5	2320.1	2221.2	2098.5	1743.2	1112.0	830.5	621.5	406.9
77.5°	2250.5	2027.5	1811.5	1652.6	1573.3	1532.1	1143.3	670.3	489.8	357.4	234.1
80°	1856.1	1527.3	1233.9	1062.5	994.2	1041.7	637.5	362.3	268.3	203.4	151.9
82.5°	1279.9	1062.5	807.6	668.9	574.1	600.6	326.1	185.3	124.0	113.6	94.1
85°	666.7	584.6	493.3	423.6	374.2	328.8	169.3	88.5	51.6	45.3	41.1
87.5°	0.0	0.7	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

REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9
2.5°	737.1	736.5	737.8	738.5	740.6	742.1	742.7	741.3	743.4	745.5	744.1
5°	756.7	761.6	762.3	764.4	764.4	768.5	768.5	768.5	767.8	768.5	767.2
7.5°	773.4	779.7	780.3	783.1	783.8	788.7	786.6	788.0	788.0	784.6	783.1
10°	775.4	781.8	785.2	788.7	793.6	799.9	799.9	803.3	803.3	800.5	799.9
12.5°	776.2	781.0	784.6	789.4	796.4	805.4	810.3	815.1	817.3	816.6	814.5
15°	790.8	790.8	791.5	795.6	800.5	811.7	818.7	824.2	827.8	826.3	822.8
17.5°	829.1	823.5	819.4	812.4	813.8	819.4	823.5	828.4	829.1	827.8	822.2
20°	873.7	866.7	856.3	845.2	839.6	835.3	832.6	832.6	830.5	823.5	814.5
22.5°	937.1	928.1	913.5	896.7	885.6	872.3	856.3	840.9	824.2	807.6	788.0
25°	1024.9	1012.3	997.0	971.3	947.6	919.7	886.9	852.8	813.1	778.2	749.6
27.5°	1113.4	1085.5	1045.8	1010.3	966.3	924.6	877.9	836.1	785.2	743.4	712.0
30°	1186.5	1133.6	1076.5	1020.0	962.2	905.8	850.1	799.9	744.1	701.7	671.0
32.5°	1243.0	1169.8	1090.4	1016.6	945.5	876.5	812.4	756.7	700.2	656.4	623.6
35°	1295.2	1193.5	1092.4	1001.2	913.5	841.7	769.2	708.6	648.7	602.7	567.2
37.5°	1334.2	1204.7	1079.9	972.6	871.6	791.5	717.6	655.6	594.3	544.1	503.7
40°	1359.4	1197.7	1052.7	931.5	822.2	737.8	662.6	598.4	539.3	484.2	435.4
42.5°	1379.6	1188.6	1025.6	893.9	783.1	691.2	613.8	544.9	485.0	425.0	371.4
45°	1409.5	1195.6	1013.8	867.5	748.3	651.4	566.4	494.7	432.0	373.5	321.9
47.5°	1438.8	1199.1	996.4	834.7	704.4	610.4	523.9	454.3	390.2	336.5	289.1
50°	1465.3	1197.0	969.1	792.8	661.9	569.2	485.6	416.0	352.5	303.1	258.4
52.5°	1477.8	1185.2	935.8	752.4	627.8	533.0	448.0	380.4	317.7	271.0	229.9
55°	1476.4	1154.5	891.8	714.2	590.2	494.7	411.1	344.1	287.8	244.6	209.0
57.5°	1455.4	1107.2	845.2	671.6	540.6	447.3	367.9	303.1	255.8	219.5	189.5
60°	1411.6	1046.5	783.8	609.6	478.7	388.8	314.2	258.4	220.2	192.3	172.7
62.5°	1329.3	959.4	707.2	523.2	395.0	312.8	248.1	211.8	183.2	166.5	157.5
63°	1305.0	935.8	674.4	502.4	375.5	295.4	234.1	196.5	175.5	160.9	152.5
65°	1183.7	819.4	564.4	405.5	291.9	227.9	188.1	159.6	147.0	140.7	140.0
67.5°	958.8	644.5	399.3	278.0	198.5	164.5	144.2	132.3	126.8	125.4	126.8
70°	673.1	406.9	253.6	184.7	147.0	132.3	123.3	118.4	114.9	115.6	117.1
72.5°	429.2	243.8	174.2	140.0	124.0	116.4	112.1	110.8	110.1	109.4	109.4
75°	244.6	162.4	133.8	121.2	112.8	106.6	103.1	101.8	102.4	103.1	101.8
77.5°	161.7	133.8	119.2	110.8	103.1	96.2	94.1	93.4	94.7	96.2	96.2
80°	127.5	119.2	110.8	102.4	89.8	85.0	86.4	87.0	86.4	87.0	85.0
82.5°	89.8	88.5	90.6	87.0	74.5	70.4	69.0	69.6	68.3	68.3	66.8
85°	41.8	41.8	43.9	43.9	42.5	43.2	46.6	50.9	53.0	50.9	48.1
87.5°	0.0	0.0	0.0	0.0	0.0	6.3	12.5	18.1	19.5	24.4	23.7
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: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9
2.5°	742.1	743.4	742.7	742.1	743.4	742.1	742.7	742.1	742.1	741.3	741.3
5°	765.7	767.8	763.6	762.9	761.6	758.0	758.0	756.7	756.7	753.9	751.8
7.5°	781.0	781.8	778.2	777.5	774.1	770.6	767.8	765.0	764.4	762.3	758.0
10°	795.6	794.3	791.5	788.0	784.6	779.7	776.2	772.6	772.0	768.5	763.6
12.5°	808.2	807.6	802.0	798.4	792.8	788.0	783.8	779.7	777.5	773.4	766.4
15°	816.6	812.4	805.4	799.2	792.8	787.4	782.4	777.5	775.4	770.6	763.6
17.5°	813.1	805.4	796.4	788.7	780.3	773.4	769.2	764.4	760.8	758.0	748.3
20°	800.5	789.4	775.4	766.4	755.2	746.2	743.4	738.5	735.8	725.3	712.7
22.5°	767.8	751.8	734.4	721.1	708.6	699.5	692.5	687.7	680.7	674.4	654.9
25°	726.7	708.6	690.5	674.4	657.7	643.8	631.2	619.4	616.0	602.7	583.8
27.5°	686.9	666.7	648.7	629.8	608.3	590.9	569.2	552.5	541.3	527.5	510.1
30°	644.5	624.2	599.9	574.8	549.7	530.9	506.5	486.3	472.4	457.7	441.8
32.5°	590.9	566.4	537.2	509.3	486.3	464.0	439.7	420.1	406.2	393.0	377.6
35°	529.5	497.5	466.1	435.4	411.1	392.2	370.7	356.1	346.3	334.4	318.4
37.5°	459.2	422.9	389.4	365.8	344.1	326.1	310.8	301.7	291.2	285.0	275.2
40°	388.1	352.5	319.8	298.2	280.1	269.6	261.2	259.2	252.2	243.8	237.6
42.5°	325.4	291.2	259.2	241.8	229.9	227.2	223.0	223.0	219.5	213.2	209.0
45°	282.9	247.4	219.5	206.9	200.6	200.0	197.8	197.8	197.2	194.4	189.5
47.5°	252.2	220.2	198.5	190.9	189.5	188.1	186.0	185.3	184.7	182.6	179.8
50°	224.4	197.2	183.2	179.8	180.4	178.3	176.3	174.2	173.5	171.4	168.6
52.5°	198.5	179.1	170.1	167.9	167.9	167.9	166.5	166.5	165.1	164.5	161.7
55°	183.9	169.3	164.5	163.7	163.0	162.4	160.9	160.9	159.6	158.9	155.3
57.5°	171.4	162.4	159.6	158.1	157.5	156.1	155.3	155.3	155.3	155.3	151.2
60°	161.7	157.5	156.8	155.3	154.7	151.9	150.5	149.8	150.5	151.2	147.0
62.5°	151.2	150.5	149.8	148.4	147.7	144.9	142.8	141.5	142.8	144.2	143.5
63°	148.4	147.7	147.7	147.0	146.3	142.8	140.7	139.4	140.7	142.2	142.2
65°	138.7	139.4	139.4	138.7	137.9	135.9	133.1	131.7	132.3	134.5	135.1
67.5°	128.2	128.9	128.2	128.9	128.2	126.8	124.8	123.3	122.6	123.3	124.0
70°	118.4	119.8	119.2	118.4	117.7	117.7	116.4	114.3	113.6	112.8	112.8
72.5°	110.1	110.1	108.7	108.7	108.0	108.0	106.6	104.6	103.8	103.8	102.4
75°	101.0	101.0	99.0	99.0	97.5	98.2	96.9	94.7	94.1	94.1	93.4
77.5°	95.4	93.4	89.8	89.2	88.5	88.5	87.8	85.7	85.0	85.0	84.4
80°	84.4	80.1	76.7	76.0	76.7	78.0	78.0	76.7	76.7	76.7	76.7
82.5°	65.5	64.1	62.0	60.6	60.6	62.7	65.5	66.8	68.3	69.6	69.6
85°	48.1	48.8	48.1	46.0	45.3	47.4	50.2	53.0	53.7	56.5	55.8
87.5°	25.8	26.4	24.4	23.7	25.8	27.2	29.9	30.7	32.0	32.7	33.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P152733

CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9
2.5°	740.6	739.9	740.6	739.3	739.3	737.8	736.5	735.8	734.4	733.7	732.2
5°	753.2	751.1	749.0	748.3	745.5	742.7	740.6	737.1	734.4	729.5	728.1
7.5°	761.6	756.7	753.9	753.2	749.0	746.9	742.1	737.8	733.7	727.4	725.3
10°	765.0	760.1	755.2	753.2	748.3	744.8	739.9	733.7	730.2	723.9	722.5
12.5°	769.2	760.1	752.4	746.9	739.9	732.2	727.4	723.9	719.1	715.5	714.2
15°	761.6	749.6	737.8	727.4	716.3	707.9	703.0	697.4	691.8	689.7	689.7
17.5°	740.6	725.3	705.1	691.8	680.0	671.0	664.7	659.1	658.4	655.6	657.0
20°	697.4	677.2	657.7	648.0	641.0	635.4	629.1	626.3	624.2	620.1	618.7
22.5°	637.5	620.8	606.8	599.9	594.3	587.4	581.8	573.4	571.3	567.2	565.1
25°	571.3	558.1	546.2	541.3	537.9	528.1	524.7	513.5	505.8	500.9	503.7
27.5°	505.2	495.3	484.2	477.9	475.9	466.8	463.3	450.8	444.6	444.6	437.5
30°	436.9	427.8	420.8	413.9	412.4	401.3	392.2	387.4	380.4	377.6	372.7
32.5°	372.7	363.7	358.1	354.6	349.0	340.0	331.0	322.6	311.4	307.3	305.2
35°	313.6	306.5	299.6	296.8	289.1	279.4	268.3	261.2	248.1	243.2	241.0
37.5°	268.3	259.9	255.0	247.4	239.7	229.2	220.8	214.6	209.7	207.7	207.7
40°	232.0	225.7	220.2	213.9	207.7	202.1	197.8	196.5	195.8	195.8	197.2
42.5°	204.9	199.3	196.5	193.0	190.9	190.9	190.3	190.9	191.6	192.3	194.4
45°	186.7	183.2	181.9	181.1	182.6	183.9	184.7	186.0	188.8	190.3	190.9
47.5°	177.0	174.2	173.5	174.2	176.3	179.1	181.9	183.9	186.0	186.7	187.5
50°	167.3	163.7	162.4	163.7	166.5	170.7	172.7	176.3	177.6	179.1	177.6
52.5°	158.9	156.1	155.3	155.3	158.1	160.9	163.7	166.5	167.3	167.3	166.5
55°	151.9	149.8	147.7	149.1	151.2	154.0	158.1	160.2	161.7	162.4	162.4
57.5°	146.3	144.2	142.2	143.5	145.6	148.4	152.5	154.7	156.1	158.1	158.9
60°	142.2	139.4	137.3	139.4	141.5	145.6	149.1	151.2	154.7	155.3	155.3
62.5°	137.9	135.1	131.7	133.8	133.8	135.9	139.4	142.2	145.6	147.0	147.0
63°	137.3	134.5	131.0	132.3	132.3	133.8	136.6	139.4	143.5	144.9	144.2
65°	131.7	131.0	127.5	127.5	126.1	127.5	129.6	132.3	134.5	136.6	136.6
67.5°	122.6	122.0	121.2	121.2	121.2	122.6	124.0	126.1	128.2	129.6	128.9
70°	112.1	112.1	112.1	112.8	112.8	114.3	114.9	114.3	116.4	117.7	117.1
72.5°	103.1	102.4	101.8	103.1	102.4	102.4	103.8	103.1	105.2	105.2	105.9
75°	93.4	92.6	92.6	93.4	92.0	90.6	91.3	91.3	92.0	92.0	93.4
77.5°	85.0	85.0	85.0	84.4	82.9	82.2	81.6	81.6	81.6	81.6	82.2
80°	77.3	77.3	77.3	76.7	75.2	73.9	72.4	71.8	71.1	67.6	67.6
82.5°	69.6	69.6	69.6	69.6	69.0	67.6	65.5	59.9	57.1	54.3	55.0
85°	55.0	56.5	57.8	59.9	59.2	59.2	55.0	48.1	43.9	41.1	41.8
87.5°	35.5	31.4	31.4	30.7	29.2	27.9	27.9	23.7	19.5	17.4	18.1
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: P152733
CATALOG NUMBER: VXS-F03-LED-E1-SLL-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	730.9	0°
2.5°	732.2	730.9	729.5	729.5	727.4	727.4	726.0	728.8	726.0	723.9	723.9	2.5°
5°	726.7	725.3	721.1	720.4	717.6	717.6	717.6	716.3	716.3	714.8	714.2	5°
7.5°	723.2	719.7	716.3	714.2	714.2	712.7	715.5	714.2	714.8	714.8	715.5	7.5°
10°	720.4	717.6	716.3	715.5	715.5	717.6	719.7	720.4	719.7	720.4	720.4	10°
12.5°	713.5	714.8	715.5	718.3	721.9	726.0	730.9	731.6	733.0	733.0	734.4	12.5°
15°	691.2	694.6	698.9	705.8	714.8	723.9	733.0	740.6	747.6	751.1	753.9	15°
17.5°	659.8	663.3	671.0	678.7	690.5	703.7	719.1	732.2	746.9	760.1	773.4	17.5°
20°	617.3	622.9	625.0	638.9	652.8	671.0	689.1	709.9	735.0	760.1	785.9	20°
22.5°	562.3	568.5	578.3	589.4	604.0	626.3	648.0	680.7	714.2	749.6	790.1	22.5°
25°	500.9	507.9	516.3	528.1	542.8	566.4	597.8	632.6	673.8	720.4	770.6	25°
27.5°	437.5	444.6	451.5	459.9	476.6	501.7	538.5	574.8	620.1	671.0	729.5	27.5°
30°	374.2	374.8	379.1	389.4	406.9	439.7	466.8	512.1	559.5	613.2	680.7	30°
32.5°	304.5	303.7	308.7	317.7	334.4	365.8	399.3	443.1	489.8	557.4	627.0	32.5°
35°	242.5	242.5	251.5	260.6	279.4	301.7	331.0	369.9	425.0	487.7	557.4	35°
37.5°	209.7	214.6	220.2	229.2	243.8	261.2	287.0	321.2	364.4	424.4	488.4	37.5°
40°	199.3	202.1	206.9	215.3	227.9	243.8	262.7	288.5	321.9	369.9	428.5	40°
42.5°	195.1	195.8	198.5	204.9	216.0	232.0	251.5	274.5	299.6	333.8	384.6	42.5°
45°	190.9	190.3	191.6	196.5	205.5	223.6	245.9	271.0	296.1	324.7	366.5	45°
47.5°	187.5	187.5	187.5	189.5	197.8	216.0	241.8	271.0	301.0	333.1	374.2	47.5°
50°	177.6	177.0	177.0	178.3	184.7	204.1	234.8	270.4	309.3	351.2	397.8	50°
52.5°	166.5	166.5	167.3	167.9	173.5	193.0	227.2	270.4	319.1	374.8	433.4	52.5°
55°	163.0	163.7	164.5	163.7	167.9	184.7	218.8	266.1	323.3	393.7	471.7	55°
57.5°	160.2	161.7	161.7	160.9	163.7	177.6	210.4	257.8	319.8	400.6	498.9	57.5°
60°	156.1	156.1	156.1	154.0	155.3	167.9	197.8	244.6	308.7	394.3	503.0	60°
62.5°	147.0	147.0	145.6	144.9	144.2	154.0	181.1	225.1	288.5	377.6	492.6	62.5°
63°	144.9	144.2	144.2	142.2	142.2	151.2	177.6	222.3	282.9	373.5	488.4	63°
65°	137.3	137.3	137.3	135.9	135.1	142.2	163.7	202.8	261.2	354.0	467.5	65°
67.5°	128.9	129.6	128.2	127.5	126.8	131.0	147.7	178.3	227.9	312.8	428.5	67.5°
70°	117.1	117.7	117.7	117.1	116.4	119.2	129.6	153.3	188.8	260.6	365.1	70°
72.5°	106.6	108.0	108.0	109.4	109.4	111.5	115.6	127.5	151.2	203.4	287.0	72.5°
75°	95.4	96.2	97.5	99.0	97.5	96.9	97.5	106.6	118.4	150.5	204.9	75°
77.5°	85.7	87.8	87.8	87.0	85.0	83.6	83.6	87.8	97.5	114.3	146.3	77.5°
80°	71.1	74.5	75.2	73.2	71.1	71.1	72.4	75.2	81.6	94.1	110.8	80°
82.5°	57.1	60.6	61.3	62.0	61.3	63.4	63.4	64.1	67.6	77.3	90.6	82.5°
85°	43.9	46.6	48.8	49.4	50.2	50.9	50.2	46.6	48.8	55.0	61.3	85°
87.5°	19.5	20.2	18.9	19.5	18.9	19.5	20.2	16.7	16.1	21.6	22.3	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: P152733

NUMBER: VXS-F03-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
730.9	730.9	730.9	730.9	730.9	730.9	730.9
723.2	723.2	723.9	722.5	722.5	723.2	721.1
712.0	714.8	714.8	714.8	713.5	714.8	715.5
714.8	716.9	718.3	718.3	717.6	720.4	722.5
718.3	721.9	723.2	723.2	723.2	726.7	731.6
731.6	734.4	736.5	736.5	737.8	742.1	747.6
756.0	759.5	759.5	758.8	762.9	767.8	774.1
783.1	792.8	797.7	797.1	800.5	806.8	813.8
808.9	836.1	847.9	856.3	859.8	868.1	870.3
830.5	875.8	908.5	936.4	949.6	958.0	967.8
822.8	884.1	942.7	999.8	1040.2	1081.3	1098.8
791.5	868.1	944.8	1028.4	1101.6	1174.7	1227.7
753.2	845.2	948.3	1066.7	1182.4	1294.5	1383.7
709.3	823.5	956.0	1102.3	1254.1	1401.1	1530.1
654.2	782.4	937.1	1105.7	1284.8	1463.1	1630.4
584.6	726.7	893.3	1080.6	1286.2	1490.4	1690.3
514.9	656.4	837.5	1044.5	1268.1	1496.6	1727.9
466.1	593.6	781.0	998.4	1238.8	1486.8	1746.0
432.6	548.3	730.9	956.6	1207.5	1469.4	1748.8
429.8	528.8	698.1	926.0	1182.4	1454.1	1748.8
453.6	539.3	686.9	910.7	1171.9	1449.2	1750.2
498.1	581.0	707.2	922.5	1180.3	1455.4	1756.5
551.8	644.5	761.6	963.6	1215.9	1476.4	1770.4
600.6	717.6	854.2	1043.0	1280.6	1529.3	1809.4
629.1	780.3	952.4	1154.5	1391.4	1634.5	1887.5
632.6	815.1	1039.5	1275.8	1525.8	1755.0	2012.1
629.8	817.9	1050.7	1298.8	1554.4	1785.1	2055.3
614.5	818.7	1082.1	1379.6	1653.4	1911.2	2175.9
575.5	796.4	1093.2	1442.9	1778.0	2077.0	2400.9
507.9	733.0	1060.4	1444.4	1826.1	2169.6	2543.1
408.3	612.4	919.0	1314.1	1699.4	2078.3	2506.1
298.9	450.1	694.6	1017.9	1386.5	1729.9	2146.6
198.5	291.2	468.2	725.3	994.2	1245.1	1545.4
136.6	180.4	273.8	436.2	608.3	730.2	984.5
100.3	119.2	151.9	223.0	292.6	360.2	514.2
62.7	68.3	76.0	110.1	157.5	212.5	320.5
16.7	17.4	16.1	21.6	34.1	32.7	36.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)