

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: P152728

Luminaire Tested: **VXS-E03-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152728
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-E03-LED-E1-SLL-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7045.1 lumens
Efficiency: N/A
Efficacy: 93.7 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 - G3

Input Watts (W): 75.2
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

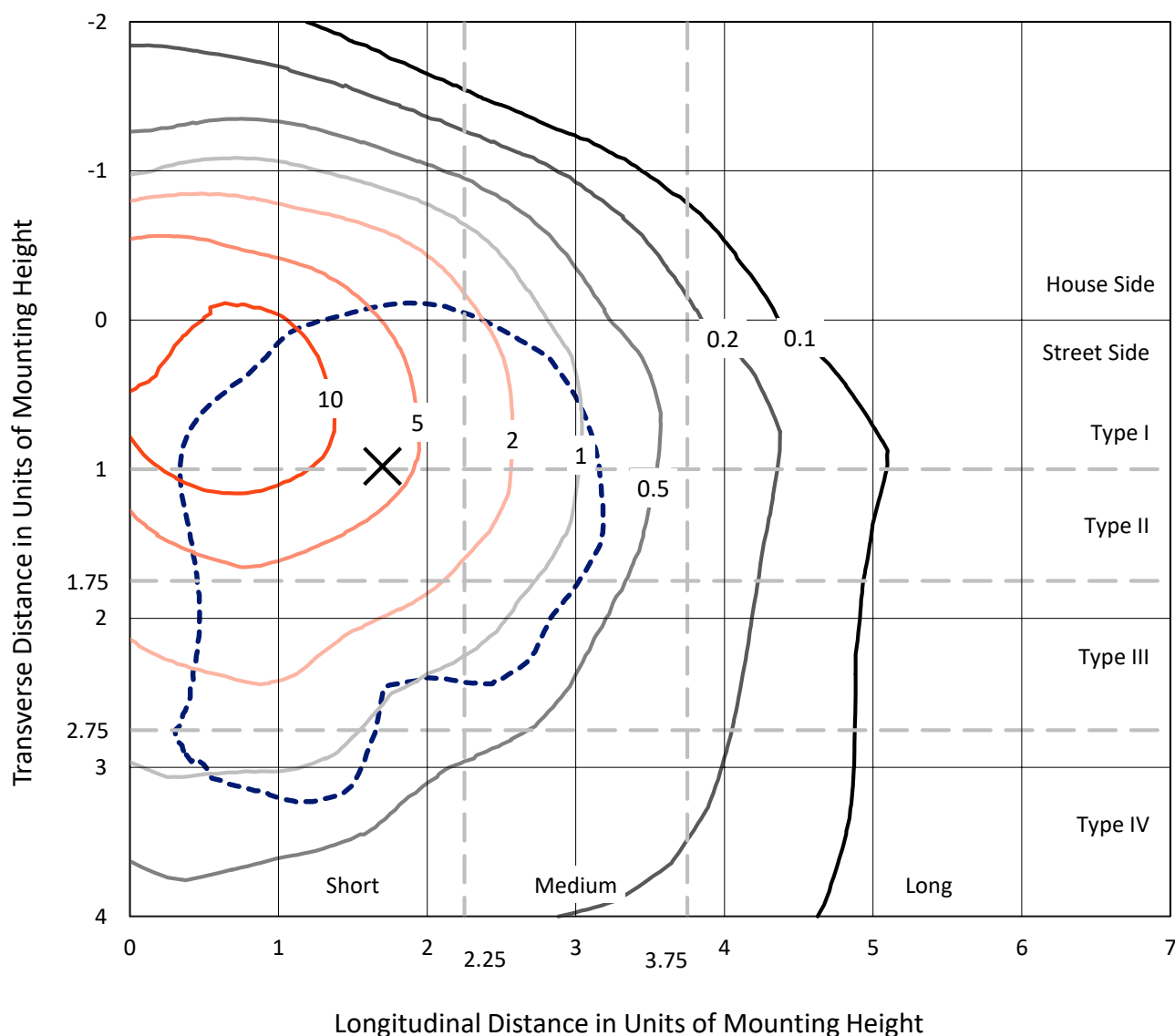


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

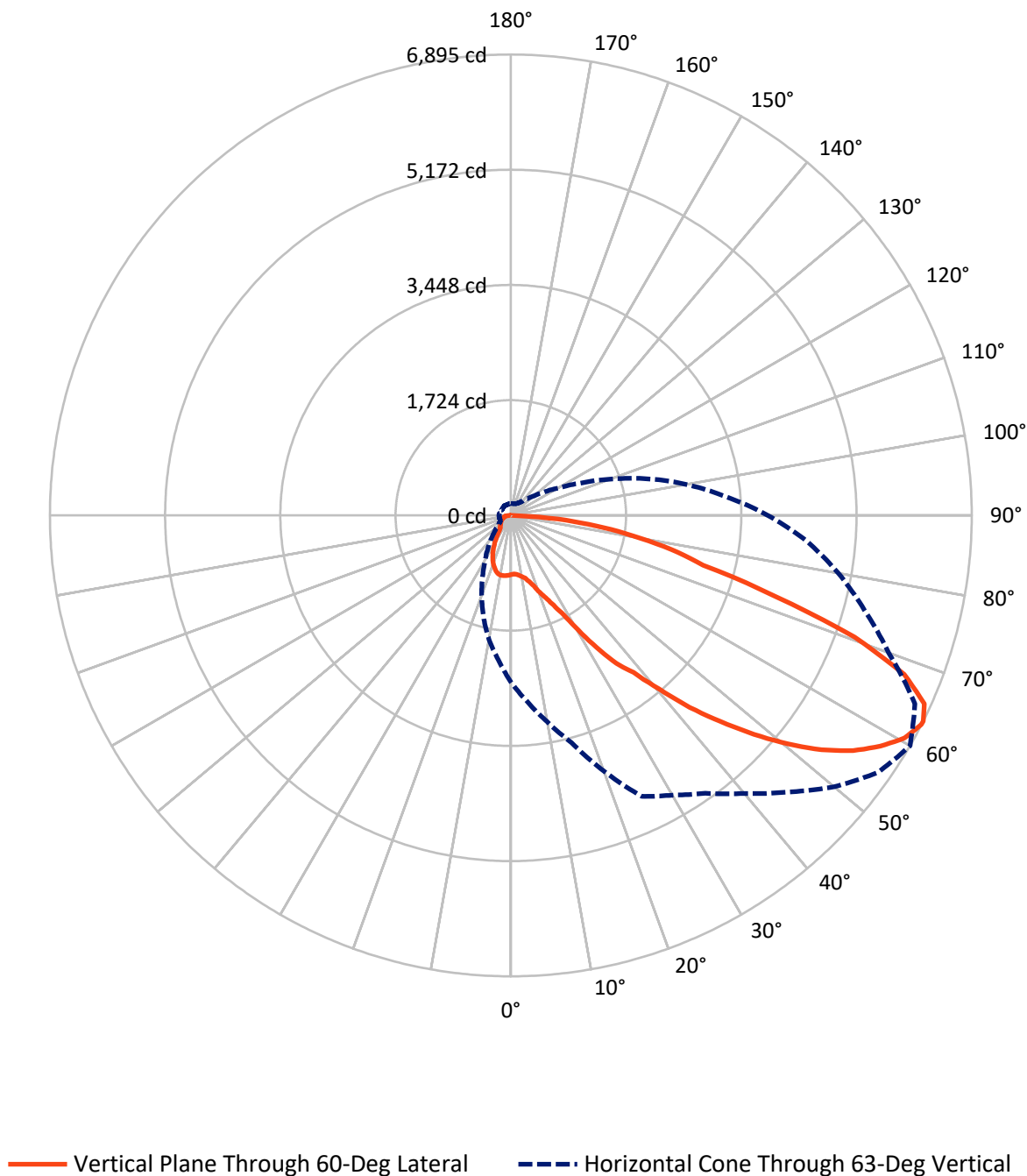


Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1527.7	0.0	1527.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5517.4	0.0	5517.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	7045.1	0.0	7045.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.2
10°-20°	268.4	3.8
20°-30°	476.9	6.8
30°-40°	750.9	10.7
40°-50°	1105.1	15.7
50°-60°	1467.9	20.8
60°-70°	1616.9	23.0
70°-80°	1014.4	14.4
80°-90°	258.4	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°	7045.1	100.0
0°-180°	7045.1	100.0

Coefficient of Utilization



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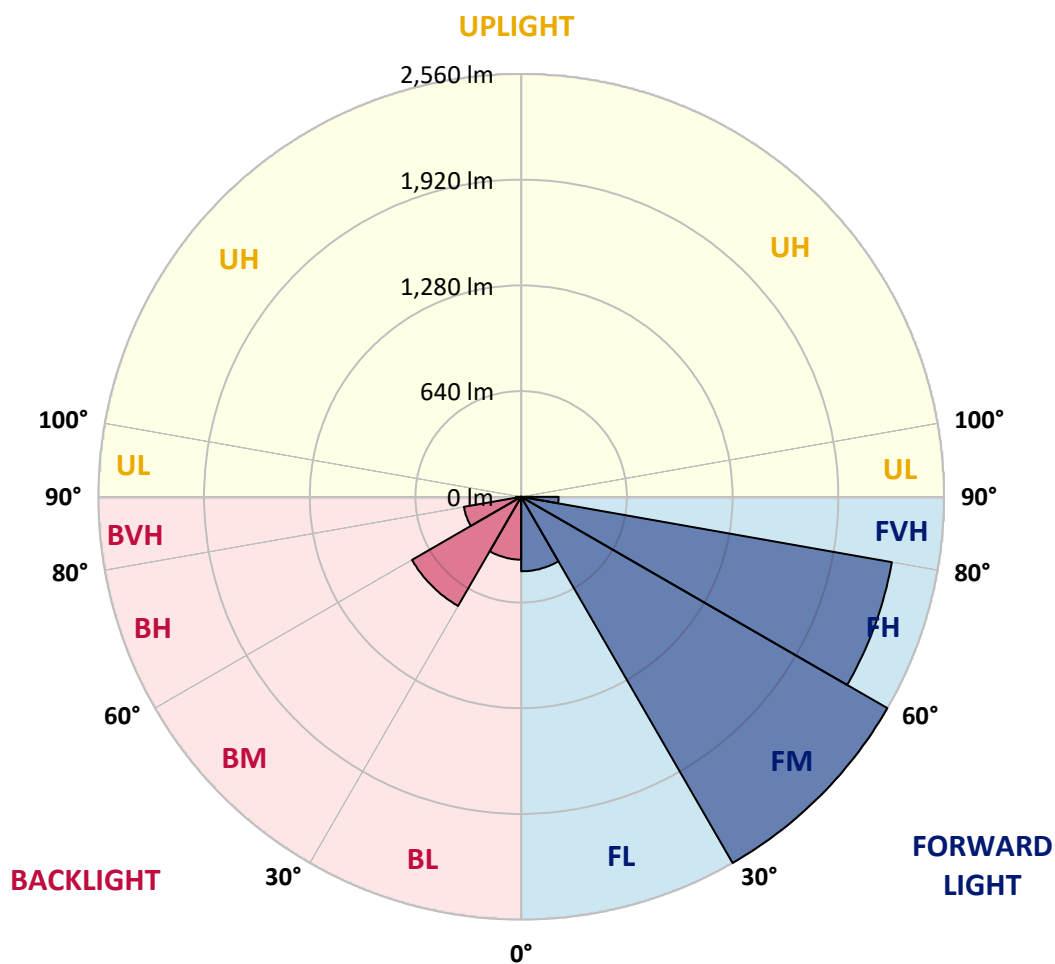
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.1	6.4			
FM	(30°-60°)	2560.4	36.3			
FH	(60°-80°)	2279.2	32.4			G2/5000
FVH	(80°-90°)	226.7	3.2			G3/500
BL	(0°-30°)	380.3	5.4	B1/500		
BM	(30°-60°)	763.6	10.8	B1/1000		
BH	(60°-80°)	352.1	5.0	B1/500		G1/500
BVH	(80°-90°)	31.6	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	873.6	875.2	875.2	874.4	874.4	876.1	875.2	874.4	871.8	875.2	875.2
5°	866.7	868.5	868.5	870.2	871.8	873.6	873.6	875.2	874.4	877.7	880.3
7.5°	875.2	876.9	880.3	884.5	887.0	893.0	893.0	897.2	898.9	901.3	900.5
10°	886.2	890.4	898.0	904.8	909.8	916.6	921.7	927.6	927.6	930.1	931.8
12.5°	905.6	909.8	918.2	926.7	934.3	942.7	950.4	956.3	962.2	963.8	967.3
15°	937.7	942.7	955.4	967.3	976.5	987.5	997.6	1009.4	1020.4	1022.9	1024.6
17.5°	985.8	996.0	1005.2	1026.3	1039.8	1054.1	1070.2	1087.0	1090.5	1108.2	1112.3
20°	1054.1	1066.8	1075.2	1101.5	1124.1	1142.8	1166.4	1185.8	1193.4	1210.3	1227.2
22.5°	1172.3	1169.7	1182.4	1208.6	1225.5	1262.6	1282.9	1303.1	1313.3	1338.5	1352.1
25°	1331.0	1344.5	1372.3	1374.8	1390.9	1434.0	1460.1	1480.3	1481.2	1488.8	1503.1
27.5°	1487.2	1542.8	1586.7	1610.4	1653.4	1693.1	1691.4	1720.1	1675.3	1684.6	1698.1
30°	1676.2	1769.0	1851.7	1907.5	1951.3	1997.7	2020.5	2036.6	2017.1	2008.7	1992.6
32.5°	1853.4	1983.4	2110.8	2209.5	2291.4	2368.3	2418.9	2441.7	2468.7	2537.0	2561.6
35°	1974.9	2159.0	2317.6	2460.2	2597.0	2719.4	2808.0	2858.5	2839.2	2829.9	2824.9
37.5°	2047.6	2272.0	2470.4	2672.1	2829.0	3012.2	3149.7	3283.1	3313.5	3260.3	3234.2
40°	2093.1	2359.0	2613.9	2851.8	3055.2	3291.6	3462.1	3662.1	3814.0	3834.3	3771.8
42.5°	2115.0	2417.2	2714.3	2983.5	3258.7	3548.2	3764.2	4006.4	4233.5	4389.6	4350.8
45°	2118.4	2455.1	2787.7	3102.5	3429.9	3773.5	4052.0	4320.4	4624.2	4891.8	4899.4
47.5°	2118.4	2483.8	2838.3	3188.6	3583.6	3969.3	4273.2	4590.5	4962.7	5279.2	5376.3
50°	2120.1	2503.3	2885.6	3256.2	3700.9	4134.7	4478.2	4853.0	5244.6	5588.9	5776.3
52.5°	2127.7	2517.6	2922.7	3304.2	3776.9	4251.2	4637.7	5069.8	5459.8	5813.4	6055.6
55°	2144.6	2537.9	2949.7	3333.8	3827.5	4327.2	4753.4	5218.4	5599.1	5957.7	6296.2
57.5°	2191.8	2573.4	2982.7	3359.9	3855.3	4376.9	4834.4	5282.6	5652.2	6026.1	6423.6
60°	2286.3	2648.4	3039.2	3412.2	3901.8	4468.9	4873.2	5239.5	5613.4	6005.8	6452.3
62.5°	2437.4	2765.8	3117.7	3500.8	4034.3	4611.6	4843.6	5111.2	5460.6	5888.5	6350.2
63°	2489.7	2791.1	3135.4	3520.3	4070.6	4637.7	4831.0	5073.3	5429.4	5851.4	6313.9
65°	2635.8	2903.3	3219.8	3618.2	4220.0	4663.9	4732.2	4875.8	5213.4	5639.6	6099.5
67.5°	2908.4	3176.0	3401.2	3783.6	4345.7	4560.9	4425.9	4443.6	4796.4	5237.8	5651.4
70°	3080.5	3399.6	3516.9	3804.7	4322.9	4408.2	4029.2	3794.6	4077.3	4580.3	4942.4
72.5°	3035.9	3402.2	3389.4	3523.6	3867.2	3946.5	3554.1	3184.4	3352.3	3727.9	3962.5
75°	2600.3	3038.3	2945.5	2918.5	3039.2	3091.5	2797.0	2740.4	2952.3	3160.7	3164.1
77.5°	1872.0	2353.9	2245.0	2088.9	2080.4	2201.1	2240.8	2611.3	2924.5	3089.0	3016.4
80°	1192.5	1715.0	1601.9	1329.3	1325.1	1482.1	1830.6	2334.5	2666.2	2758.1	2569.1
82.5°	622.9	1122.5	1165.6	997.6	1142.0	1401.9	1742.0	1881.2	2007.0	2019.7	1796.9
85°	388.2	690.4	811.9	838.1	1031.4	1243.2	1240.6	1191.7	1136.1	972.2	879.5
87.5°	43.9	86.9	131.7	124.9	168.0	235.4	293.7	172.1	120.7	43.9	60.7
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°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	876.9	877.7	878.5	878.5	882.8	882.0	882.8	884.5	887.0	888.7	890.4
5°	883.6	883.6	887.0	889.5	894.6	898.0	899.7	904.8	910.7	909.0	914.1
7.5°	905.6	904.8	908.1	909.8	914.1	920.0	919.1	923.3	928.4	930.1	934.3
10°	935.1	932.6	932.6	930.9	931.8	930.1	930.1	930.1	933.5	932.6	936.0
12.5°	965.5	964.7	963.0	957.9	957.9	951.2	947.8	943.6	942.7	936.8	937.7
15°	1028.0	1028.0	1024.6	1014.5	1006.0	1000.1	991.7	985.8	977.3	966.3	960.4
17.5°	1119.2	1107.4	1103.1	1101.5	1087.9	1082.8	1064.2	1044.9	1035.5	1020.4	1011.9
20°	1230.6	1228.0	1211.1	1202.7	1185.8	1162.2	1138.5	1113.3	1098.0	1079.5	1069.3
22.5°	1356.3	1337.7	1329.3	1316.6	1290.5	1263.4	1228.0	1194.2	1170.6	1157.9	1150.4
25°	1503.1	1484.6	1476.2	1459.3	1427.2	1398.4	1354.6	1314.9	1293.9	1272.7	1260.9
27.5°	1698.1	1680.4	1670.3	1626.3	1615.4	1568.2	1514.1	1460.1	1432.2	1401.0	1380.7
30°	1989.3	1990.2	1937.8	1884.7	1829.7	1747.9	1691.4	1630.6	1585.0	1540.3	1495.5
32.5°	2481.3	2355.5	2258.5	2144.6	2025.6	1938.7	1868.6	1796.1	1732.7	1667.8	1593.5
35°	2781.8	2721.0	2595.2	2386.8	2266.9	2161.5	2083.8	1996.1	1918.3	1803.6	1690.5
37.5°	3121.0	2980.1	2827.4	2711.7	2575.9	2453.5	2323.5	2223.9	2089.7	1935.2	1774.9
40°	3616.5	3414.8	3230.8	3075.5	2900.0	2771.7	2626.5	2482.2	2304.1	2080.4	1860.2
42.5°	4133.9	3925.4	3682.4	3480.6	3273.9	3123.6	2943.8	2741.2	2479.7	2202.8	1933.6
45°	4676.6	4398.0	4106.8	3860.4	3645.2	3458.7	3235.9	2967.5	2648.4	2312.5	2002.0
47.5°	5211.6	4891.8	4544.9	4279.9	3999.7	3771.8	3498.3	3159.1	2780.1	2416.4	2070.3
50°	5683.4	5375.3	4957.6	4620.8	4337.3	4056.3	3715.2	3306.7	2883.9	2505.8	2131.9
52.5°	6090.3	5825.2	5385.5	4960.1	4633.5	4317.8	3889.9	3425.8	2988.6	2588.5	2182.6
55°	6389.0	6212.6	5807.5	5280.0	4894.3	4517.9	4037.6	3540.5	3087.4	2654.3	2215.4
57.5°	6614.4	6516.5	6168.7	5581.3	5134.0	4712.0	4190.5	3678.1	3185.2	2710.9	2230.7
60°	6737.6	6764.6	6442.2	5844.7	5345.8	4874.1	4343.2	3795.4	3257.8	2743.8	2222.3
62.5°	6725.8	6891.2	6647.3	6006.6	5469.0	4970.3	4446.1	3850.3	3247.7	2691.5	2145.4
63°	6703.0	6895.4	6670.1	6017.6	5476.7	4973.7	4448.7	3842.7	3226.5	2666.2	2115.0
65°	6506.3	6798.3	6650.7	5967.9	5409.1	4910.4	4395.5	3733.0	3078.0	2530.3	1958.9
67.5°	5979.7	6345.1	6302.9	5616.0	5089.2	4648.7	4123.7	3379.4	2710.9	2196.1	1660.1
70°	5109.5	5453.1	5460.6	4884.1	4444.5	4012.3	3576.0	2749.7	2148.8	1702.3	1238.1
72.5°	3916.2	4137.2	4214.1	3834.3	3539.7	3235.9	2844.2	1996.1	1531.8	1157.9	806.0
75°	3032.4	2971.7	2970.9	2810.5	2690.7	2542.1	2111.7	1347.0	1006.0	752.8	492.8
77.5°	2726.1	2456.1	2194.4	2002.0	1905.7	1856.0	1385.0	811.9	593.4	433.0	283.6
80°	2248.4	1850.1	1494.7	1287.0	1204.4	1261.8	772.2	438.9	325.0	246.4	184.0
82.5°	1550.4	1287.0	978.1	810.3	695.4	727.6	395.0	224.5	150.3	137.6	114.0
85°	807.7	708.1	597.5	513.2	453.3	398.3	205.1	107.2	62.5	54.8	49.8
87.5°	0.0	0.8	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°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	893.0	892.1	893.8	894.6	897.2	898.9	899.7	898.0	900.5	903.1	901.3
5°	916.6	922.5	923.3	925.9	925.9	930.9	930.9	930.9	930.1	930.9	929.2
7.5°	936.8	944.5	945.3	948.6	949.5	955.4	952.8	954.5	954.5	950.4	948.6
10°	939.4	946.9	951.2	955.4	961.3	968.9	968.9	973.2	973.2	969.7	968.9
12.5°	940.2	946.1	950.4	956.3	964.7	975.6	981.6	987.5	990.1	989.1	986.6
15°	957.9	957.9	958.8	963.8	969.7	983.2	991.7	998.4	1002.7	1000.9	996.8
17.5°	1004.4	997.6	992.5	984.1	985.8	992.5	997.6	1003.5	1004.4	1002.7	996.0
20°	1058.3	1049.9	1037.3	1023.7	1017.0	1011.9	1008.6	1008.6	1006.0	997.6	986.6
22.5°	1135.1	1124.1	1106.4	1086.2	1072.7	1056.7	1037.3	1018.7	998.4	978.1	954.5
25°	1241.6	1226.3	1207.8	1176.5	1147.9	1114.1	1074.4	1033.1	985.0	942.7	908.1
27.5°	1348.7	1314.9	1266.8	1223.8	1170.6	1120.0	1063.4	1012.7	951.2	900.5	862.6
30°	1437.3	1373.2	1303.9	1235.6	1165.6	1097.2	1029.6	968.9	901.3	849.9	812.7
32.5°	1505.7	1417.1	1320.8	1231.4	1145.3	1061.8	984.1	916.6	848.2	795.0	755.3
35°	1569.0	1445.8	1323.4	1212.8	1106.4	1019.6	931.8	858.3	785.8	730.1	687.0
37.5°	1616.3	1459.3	1308.2	1178.2	1055.9	958.8	869.3	794.2	719.9	659.2	610.2
40°	1646.6	1450.8	1275.2	1128.4	996.0	893.8	802.6	725.0	653.3	586.5	527.5
42.5°	1671.1	1439.9	1242.4	1082.8	948.6	837.2	743.5	660.0	587.5	514.8	449.8
45°	1707.4	1448.3	1228.0	1050.8	906.4	789.1	686.1	599.3	523.3	452.3	389.9
47.5°	1742.8	1452.5	1206.9	1011.1	853.3	739.4	634.7	550.3	472.6	407.7	350.3
50°	1774.9	1449.9	1174.0	960.4	801.8	689.5	588.3	503.8	427.0	367.2	313.2
52.5°	1790.2	1435.6	1133.5	911.5	760.4	645.7	542.7	460.8	384.9	328.3	278.5
55°	1788.4	1398.4	1080.3	865.1	714.8	599.3	497.9	416.9	348.6	296.3	253.2
57.5°	1763.1	1341.1	1023.7	813.6	654.9	541.9	445.6	367.2	309.7	265.9	229.5
60°	1709.9	1267.7	949.5	738.4	579.8	471.0	380.6	313.2	266.7	233.0	209.3
62.5°	1610.4	1162.2	856.7	633.9	478.5	379.0	300.4	256.6	222.0	201.8	190.8
63°	1580.8	1133.5	817.0	608.5	454.9	357.8	283.6	238.0	212.6	194.9	184.9
65°	1434.0	992.5	683.6	491.2	353.7	276.0	227.9	193.3	178.0	170.5	169.6
67.5°	1161.3	780.7	483.6	336.8	240.5	199.2	174.7	160.3	153.6	151.9	153.6
70°	815.3	492.8	307.3	223.6	178.0	160.3	149.4	143.5	139.3	140.1	141.8
72.5°	519.9	295.4	211.0	169.6	150.3	140.9	135.9	134.2	133.4	132.5	132.5
75°	296.3	196.7	162.1	146.8	136.7	129.1	124.9	123.2	124.0	124.9	123.2
77.5°	195.9	162.1	144.4	134.2	124.9	116.5	114.0	113.1	114.8	116.5	116.5
80°	154.4	144.4	134.2	124.0	108.9	103.0	104.7	105.5	104.7	105.5	103.0
82.5°	108.9	107.2	109.7	105.5	90.3	85.3	83.5	84.4	82.7	82.7	81.0
85°	50.7	50.7	53.2	53.2	51.5	52.3	56.6	61.7	64.1	61.7	58.2
87.5°	0.0	0.0	0.0	0.0	0.0	7.6	15.2	22.0	23.6	29.5	28.7
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: P152728

CATALOG NUMBER: VXS-E03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	898.9	900.5	899.7	898.9	900.5	898.9	899.7	898.9	898.9	898.0	898.0
5°	927.6	930.1	925.0	924.1	922.5	918.2	918.2	916.6	916.6	913.2	910.7
7.5°	946.1	946.9	942.7	941.9	937.7	933.5	930.1	926.7	925.9	923.3	918.2
10°	963.8	962.2	958.8	954.5	950.4	944.5	940.2	936.0	935.1	930.9	925.0
12.5°	979.1	978.1	971.4	967.3	960.4	954.5	949.5	944.5	941.9	936.8	928.4
15°	989.1	984.1	975.6	968.1	960.4	953.7	947.8	941.9	939.4	933.5	925.0
17.5°	985.0	975.6	964.7	955.4	945.3	936.8	931.8	925.9	921.7	918.2	906.4
20°	969.7	956.3	939.4	928.4	914.9	903.9	900.5	894.6	891.3	878.5	863.4
22.5°	930.1	910.7	889.5	873.6	858.3	847.4	839.0	833.1	824.6	817.0	793.4
25°	880.3	858.3	836.4	817.0	796.7	779.9	764.7	750.3	746.1	730.1	707.3
27.5°	832.1	807.7	785.8	763.0	736.8	715.8	689.5	669.3	655.8	638.9	617.8
30°	780.7	756.2	726.6	696.3	665.9	643.1	613.6	589.1	572.2	554.5	535.1
32.5°	715.8	686.1	650.7	617.0	589.1	562.1	532.5	508.9	492.0	476.1	457.4
35°	641.5	602.6	564.7	527.5	497.9	475.1	449.0	431.3	419.5	405.1	385.7
37.5°	556.2	512.3	471.8	443.1	416.9	395.0	376.4	365.5	352.7	345.2	333.4
40°	470.1	427.0	387.4	361.2	339.3	326.6	316.5	314.0	305.5	295.4	287.8
42.5°	394.1	352.7	314.0	292.8	278.5	275.1	270.1	270.1	265.9	258.2	253.2
45°	342.7	299.6	265.9	250.7	243.1	242.2	239.7	239.7	238.9	235.4	229.5
47.5°	305.5	266.7	240.5	231.3	229.5	227.9	225.4	224.5	223.6	221.1	217.7
50°	271.8	238.9	222.0	217.7	218.5	216.1	213.6	211.0	210.2	207.7	204.2
52.5°	240.5	216.9	205.9	203.4	203.4	203.4	201.8	201.8	200.0	199.2	195.9
55°	222.8	205.1	199.2	198.3	197.5	196.7	194.9	194.9	193.3	192.4	188.2
57.5°	207.7	196.7	193.3	191.6	190.8	189.0	188.2	188.2	188.2	188.2	183.1
60°	195.9	190.8	189.9	188.2	187.4	184.0	182.3	181.5	182.3	183.1	178.0
62.5°	183.1	182.3	181.5	179.8	179.0	175.5	173.1	171.3	173.1	174.7	173.9
63°	179.8	179.0	179.0	178.0	177.2	173.1	170.5	168.8	170.5	172.1	172.1
65°	168.0	168.8	168.8	168.0	167.2	164.6	161.2	159.5	160.3	162.9	163.7
67.5°	155.3	156.2	155.3	156.2	155.3	153.6	151.1	149.4	148.5	149.4	150.3
70°	143.5	145.2	144.4	143.5	142.6	142.6	140.9	138.4	137.6	136.7	136.7
72.5°	133.4	133.4	131.7	131.7	130.8	130.8	129.1	126.6	125.8	125.8	124.0
75°	122.4	122.4	119.9	119.9	118.1	119.0	117.3	114.8	114.0	114.0	113.1
77.5°	115.6	113.1	108.9	108.0	107.2	107.2	106.3	103.8	103.0	103.0	102.1
80°	102.1	97.1	92.8	92.0	92.8	94.5	94.5	92.8	92.8	92.8	92.8
82.5°	79.4	77.6	75.1	73.5	73.5	76.0	79.4	81.0	82.7	84.4	84.4
85°	58.2	59.1	58.2	55.8	54.8	57.4	60.7	64.1	65.0	68.4	67.6
87.5°	31.2	32.0	29.5	28.7	31.2	33.0	36.3	37.1	38.9	39.7	40.5
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°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4
2.5°	897.2	896.3	897.2	895.4	895.4	893.8	892.1	891.3	889.5	888.7	887.0
5°	912.3	909.8	907.3	906.4	903.1	899.7	897.2	893.0	889.5	883.6	882.0
7.5°	922.5	916.6	913.2	912.3	907.3	904.8	898.9	893.8	888.7	881.1	878.5
10°	926.7	920.8	914.9	912.3	906.4	902.2	896.3	888.7	884.5	876.9	875.2
12.5°	931.8	920.8	911.5	904.8	896.3	887.0	881.1	876.9	871.0	866.7	865.1
15°	922.5	908.1	893.8	881.1	867.7	857.5	851.6	844.9	838.1	835.5	835.5
17.5°	897.2	878.5	854.1	838.1	823.7	812.7	805.2	798.4	797.6	794.2	795.9
20°	844.9	820.3	796.7	784.9	776.5	769.7	762.1	758.8	756.2	751.2	749.4
22.5°	772.2	752.0	735.1	726.6	719.9	711.5	704.8	694.6	692.1	687.0	684.5
25°	692.1	676.1	661.7	655.8	651.6	639.8	635.5	622.1	612.7	606.8	610.2
27.5°	611.9	600.1	586.5	579.0	576.5	565.5	561.2	546.0	538.4	538.4	530.1
30°	529.2	518.2	509.7	501.3	499.7	486.1	475.1	469.2	460.8	457.4	451.5
32.5°	451.5	440.5	433.8	429.6	422.8	411.9	400.9	390.8	377.3	372.2	369.6
35°	379.8	371.4	362.9	359.6	350.3	338.4	325.0	316.5	300.4	294.5	292.0
37.5°	325.0	314.8	308.9	299.6	290.4	277.7	267.6	260.0	254.0	251.5	251.5
40°	281.0	273.5	266.7	259.1	251.5	244.8	239.7	238.0	237.2	237.2	238.9
42.5°	248.1	241.3	238.0	233.8	231.3	231.3	230.4	231.3	232.1	233.0	235.4
45°	226.2	222.0	220.3	219.5	221.1	222.8	223.6	225.4	228.7	230.4	231.3
47.5°	214.4	211.0	210.2	211.0	213.6	216.9	220.3	222.8	225.4	226.2	227.0
50°	202.6	198.3	196.7	198.3	201.8	206.7	209.3	213.6	215.2	216.9	215.2
52.5°	192.4	189.0	188.2	188.2	191.6	194.9	198.3	201.8	202.6	202.6	201.8
55°	184.0	181.5	179.0	180.6	183.1	186.5	191.6	194.1	195.9	196.7	196.7
57.5°	177.2	174.7	172.1	173.9	176.4	179.8	184.9	187.4	189.0	191.6	192.4
60°	172.1	168.8	166.2	168.8	171.3	176.4	180.6	183.1	187.4	188.2	188.2
62.5°	167.2	163.7	159.5	162.1	162.1	164.6	168.8	172.1	176.4	178.0	178.0
63°	166.2	162.9	158.7	160.3	160.3	162.1	165.4	168.8	173.9	175.5	174.7
65°	159.5	158.7	154.4	154.4	152.7	154.4	157.0	160.3	162.9	165.4	165.4
67.5°	148.5	147.7	146.8	146.8	146.8	148.5	150.3	152.7	155.3	157.0	156.2
70°	135.9	135.9	135.9	136.7	136.7	138.4	139.3	138.4	140.9	142.6	141.8
72.5°	124.9	124.0	123.2	124.9	124.0	124.0	125.8	124.9	127.5	127.5	128.3
75°	113.1	112.2	112.2	113.1	111.4	109.7	110.6	110.6	111.4	111.4	113.1
77.5°	103.0	103.0	103.0	102.1	100.4	99.6	98.8	98.8	98.8	98.8	99.6
80°	93.7	93.7	93.7	92.8	91.2	89.4	87.8	86.9	86.1	81.9	81.9
82.5°	84.4	84.4	84.4	84.4	83.5	81.9	79.4	72.5	69.2	65.8	66.6
85°	66.6	68.4	70.1	72.5	71.7	71.7	66.6	58.2	53.2	49.8	50.7
87.5°	43.0	38.0	38.0	37.1	35.4	33.8	33.8	28.7	23.6	21.1	22.0
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	885.4	0°
2.5°	887.0	885.4	883.6	883.6	881.1	881.1	879.5	882.8	879.5	876.9	876.9	2.5°
5°	880.3	878.5	873.6	872.6	869.3	869.3	869.3	867.7	867.7	865.9	865.1	5°
7.5°	876.1	871.8	867.7	865.1	865.1	863.4	866.7	865.1	865.9	865.9	866.7	7.5°
10°	872.6	869.3	867.7	866.7	866.7	869.3	871.8	872.6	871.8	872.6	872.6	10°
12.5°	864.2	865.9	866.7	870.2	874.4	879.5	885.4	886.2	887.9	887.9	889.5	12.5°
15°	837.2	841.5	846.5	854.9	865.9	876.9	887.9	897.2	905.6	909.8	913.2	15°
17.5°	799.3	803.5	812.7	822.1	836.4	852.4	871.0	887.0	904.8	920.8	936.8	17.5°
20°	747.8	754.5	757.1	774.0	790.8	812.7	834.7	860.0	890.4	920.8	952.0	20°
22.5°	681.1	688.7	700.5	714.0	731.7	758.8	784.9	824.6	865.1	908.1	957.1	22.5°
25°	606.8	615.2	625.4	639.8	657.5	686.1	724.1	766.3	816.2	872.6	933.5	25°
27.5°	530.1	538.4	546.9	557.0	577.3	607.7	652.4	696.3	751.2	812.7	883.6	27.5°
30°	453.3	454.1	459.2	471.8	492.8	532.5	565.5	620.3	677.7	742.7	824.6	30°
32.5°	368.8	368.0	373.9	384.9	405.1	443.1	483.6	536.8	593.4	675.2	759.6	32.5°
35°	293.7	293.7	304.7	315.6	338.4	365.5	400.9	448.2	514.8	590.8	675.2	35°
37.5°	254.0	260.0	266.7	277.7	295.4	316.5	347.8	389.1	441.5	514.0	591.6	37.5°
40°	241.3	244.8	250.7	260.8	276.0	295.4	318.1	349.4	389.9	448.2	519.1	40°
42.5°	236.3	237.2	240.5	248.1	261.7	281.0	304.7	332.5	362.9	404.2	465.9	42.5°
45°	231.3	230.4	232.1	238.0	249.0	270.9	297.9	328.3	358.7	393.3	443.9	45°
47.5°	227.0	227.0	227.0	229.5	239.7	261.7	292.8	328.3	364.6	403.4	453.3	47.5°
50°	215.2	214.4	214.4	216.1	223.6	247.3	284.5	327.5	374.7	425.4	482.0	50°
52.5°	201.8	201.8	202.6	203.4	210.2	233.8	275.1	327.5	386.5	454.1	525.0	52.5°
55°	197.5	198.3	199.2	198.3	203.4	223.6	265.0	322.4	391.6	476.9	571.4	55°
57.5°	194.1	195.9	195.9	194.9	198.3	215.2	254.9	312.2	387.4	485.3	604.2	57.5°
60°	189.0	189.0	189.0	186.5	188.2	203.4	239.7	296.3	373.9	477.7	609.3	60°
62.5°	178.0	178.0	176.4	175.5	174.7	186.5	219.5	272.6	349.4	457.4	596.7	62.5°
63°	175.5	174.7	174.7	172.1	172.1	183.1	215.2	269.2	342.7	452.3	591.6	63°
65°	166.2	166.2	166.2	164.6	163.7	172.1	198.3	245.6	316.5	428.7	566.3	65°
67.5°	156.2	157.0	155.3	154.4	153.6	158.7	179.0	216.1	276.0	379.0	519.1	67.5°
70°	141.8	142.6	142.6	141.8	140.9	144.4	157.0	185.7	228.7	315.6	442.3	70°
72.5°	129.1	130.8	130.8	132.5	132.5	135.0	140.1	154.4	183.1	246.4	347.8	72.5°
75°	115.6	116.5	118.1	119.9	118.1	117.3	118.1	129.1	143.5	182.3	248.1	75°
77.5°	103.8	106.3	106.3	105.5	103.0	101.2	101.2	106.3	118.1	138.4	177.2	77.5°
80°	86.1	90.3	91.2	88.6	86.1	86.1	87.8	91.2	98.8	114.0	134.2	80°
82.5°	69.2	73.5	74.3	75.1	74.3	76.8	76.8	77.6	81.9	93.7	109.7	82.5°
85°	53.2	56.6	59.1	59.9	60.7	61.7	60.7	56.6	59.1	66.6	74.3	85°
87.5°	23.6	24.5	22.8	23.6	22.8	23.6	24.5	20.2	19.4	26.1	27.0	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°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
885.4	885.4	885.4	885.4	885.4	885.4	885.4
876.1	876.1	876.9	875.2	875.2	876.1	873.6
862.6	865.9	865.9	865.9	864.2	865.9	866.7
865.9	868.5	870.2	870.2	869.3	872.6	875.2
870.2	874.4	876.1	876.1	876.1	880.3	886.2
886.2	889.5	892.1	892.1	893.8	898.9	905.6
915.8	920.0	920.0	919.1	924.1	930.1	937.7
948.6	960.4	966.3	965.5	969.7	977.3	985.8
979.9	1012.7	1027.2	1037.3	1041.5	1051.6	1054.1
1006.0	1060.9	1100.5	1134.3	1150.4	1160.5	1172.3
996.8	1071.0	1142.0	1211.1	1260.1	1309.8	1331.0
958.8	1051.6	1144.5	1245.7	1334.3	1423.0	1487.2
912.3	1023.7	1148.7	1292.1	1432.2	1568.2	1676.2
859.2	997.6	1157.9	1335.2	1519.2	1697.3	1853.4
792.5	947.8	1135.1	1339.4	1556.3	1772.3	1974.9
708.1	880.3	1082.0	1309.0	1558.0	1805.3	2047.6
623.7	795.0	1014.5	1265.2	1536.1	1812.8	2093.1
564.7	719.1	946.1	1209.4	1500.6	1801.0	2115.0
524.1	664.2	885.4	1158.8	1462.6	1780.0	2118.4
520.7	640.6	845.7	1121.7	1432.2	1761.5	2118.4
549.4	653.3	832.1	1103.1	1419.6	1755.5	2120.1
603.4	703.9	856.7	1117.4	1429.7	1763.1	2127.7
668.4	780.7	922.5	1167.3	1472.7	1788.4	2144.6
727.6	869.3	1034.7	1263.4	1551.3	1852.5	2191.8
762.1	945.3	1153.8	1398.4	1685.5	1980.0	2286.3
766.3	987.5	1259.3	1545.4	1848.3	2126.0	2437.4
763.0	990.9	1272.7	1573.2	1882.9	2162.3	2489.7
744.4	991.7	1310.7	1671.1	2002.8	2315.0	2635.8
697.1	964.7	1324.2	1747.9	2153.9	2516.0	2908.4
615.2	887.9	1284.6	1749.6	2212.1	2628.2	3080.5
494.6	741.9	1113.3	1591.8	2058.4	2517.6	3035.9
362.1	545.2	841.5	1233.1	1679.6	2095.6	2600.3
240.5	352.7	567.2	878.5	1204.4	1508.2	1872.0
165.4	218.5	331.7	528.3	736.8	884.5	1192.5
121.6	144.4	184.0	270.1	354.5	436.4	622.9
76.0	82.7	92.0	133.4	190.8	257.4	388.2
20.2	21.1	19.4	26.1	41.3	39.7	43.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)