

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: P152738

Luminaire Tested: **VXS-E04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152738
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-E04-LED-E1-SLL-8030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9393.5 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

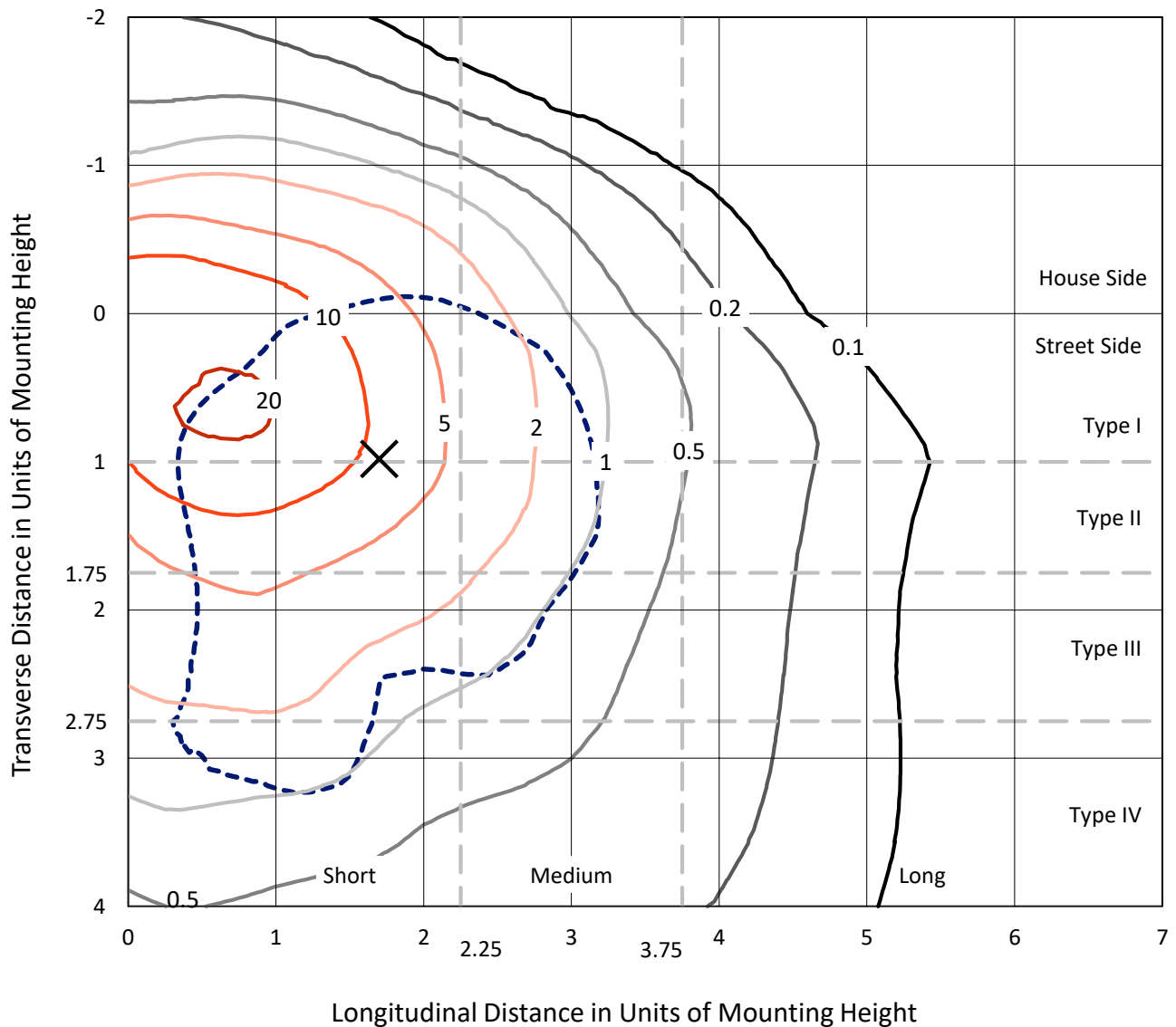
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P152738
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

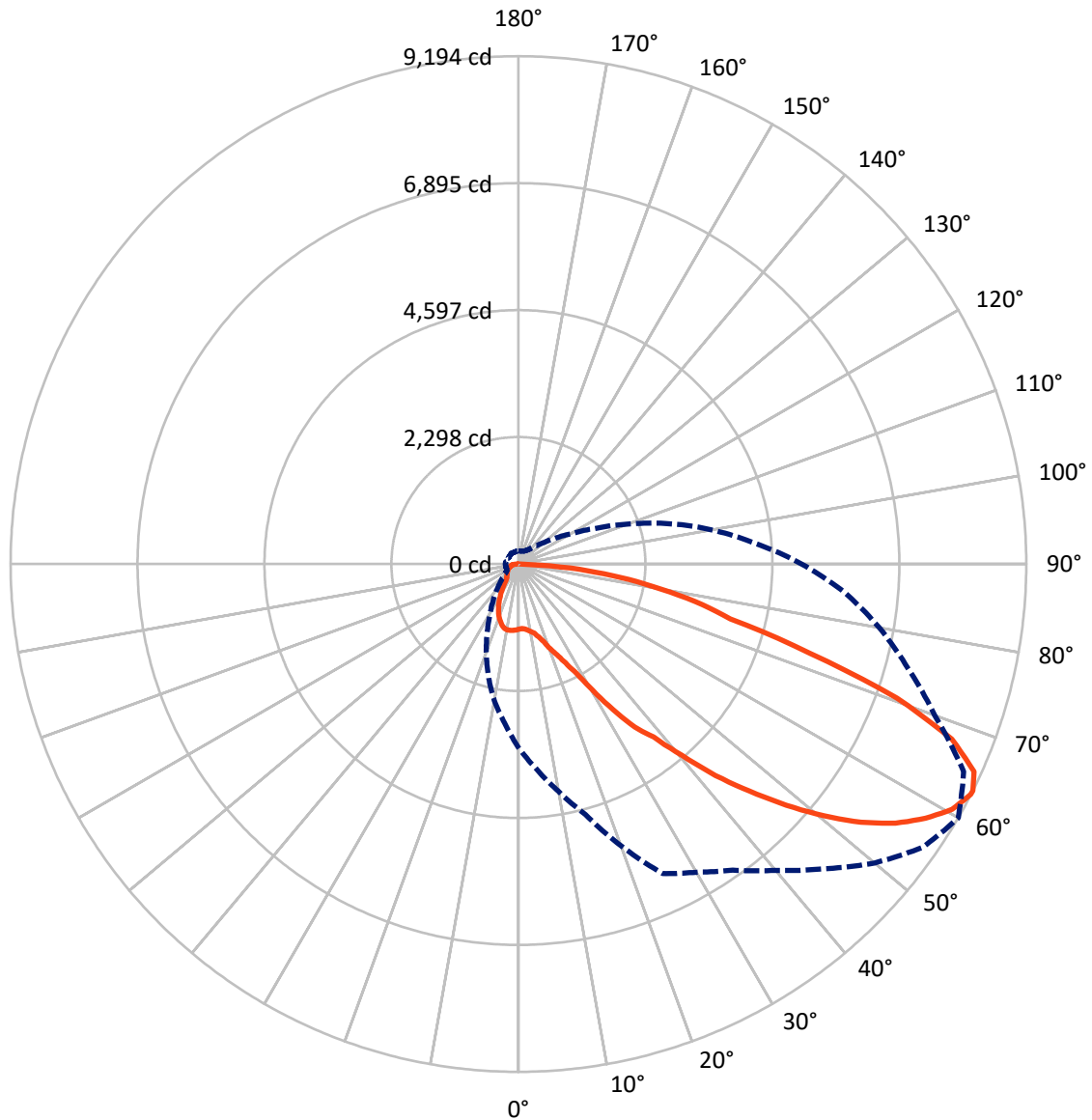


Based on 10 foot mounting height. Maximum calculated value = 23.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2036.9	0.0	2036.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7356.5	0.0	7356.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	9393.5	0.0	9393.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.2
10°-20°	357.9	3.8
20°-30°	635.8	6.8
30°-40°	1001.2	10.7
40°-50°	1473.5	15.7
50°-60°	1957.2	20.8
60°-70°	2155.9	23.0
70°-80°	1352.6	14.4
80°-90°	344.5	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°	9393.5	100.0
0°-180°	9393.5	100.0



REPORT NUMBER: P152738

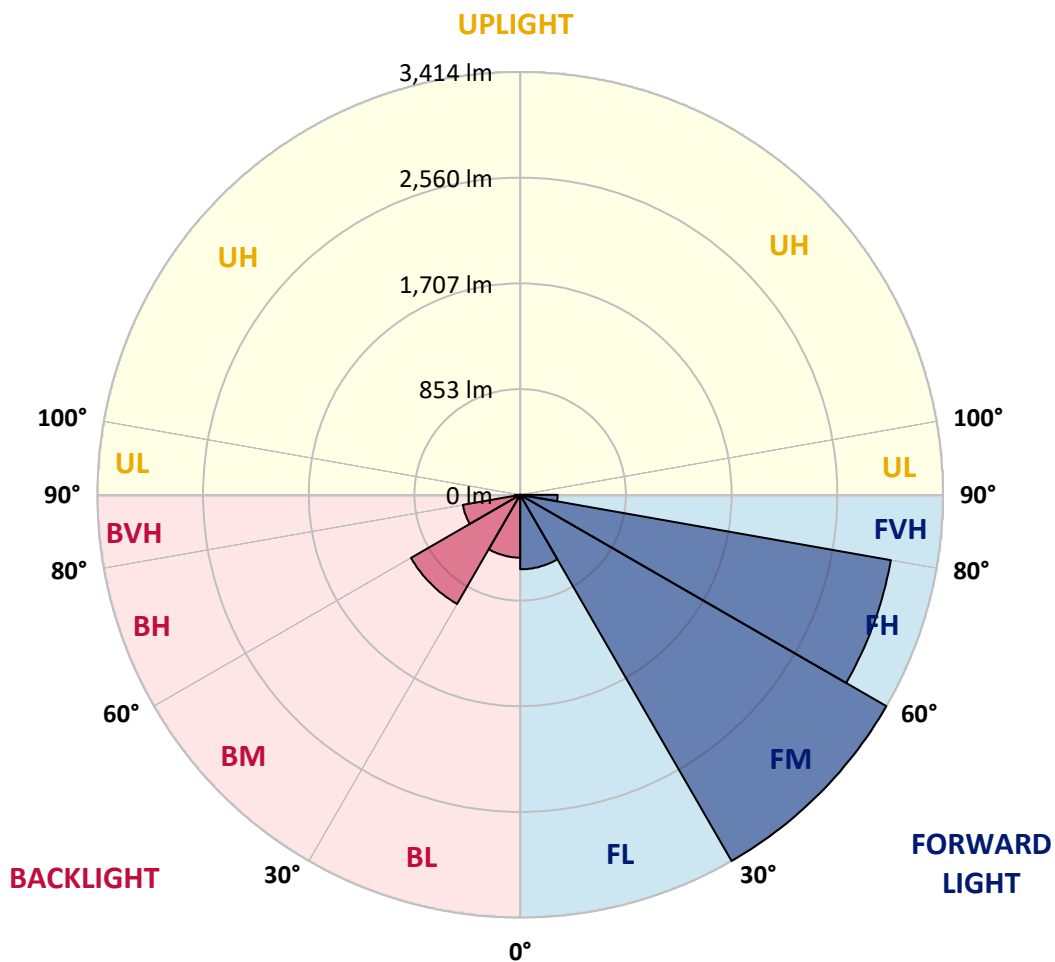
CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.5	6.4			
FM (30°-60°)	3413.8	36.3			
FH (60°-80°)	3038.9	32.4			G2/5000
FVH (80°-90°)	302.3	3.2			G3/500
BL (0°-30°)	507.1	5.4	B2/1000		
BM (30°-60°)	1018.1	10.8	B2/2500		
BH (60°-80°)	469.5	5.0	B1/500		G1/500
BVH (80°-90°)	42.2	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





REPORT NUMBER: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1164.7	1166.9	1166.9	1165.8	1165.8	1168.1	1166.9	1165.8	1162.5	1166.9	1166.9
5°	1155.8	1157.9	1157.9	1160.2	1162.5	1164.7	1164.7	1166.9	1165.8	1170.4	1173.7
7.5°	1166.9	1169.2	1173.7	1179.4	1182.7	1190.6	1190.6	1196.2	1198.4	1201.9	1200.7
10°	1181.6	1187.3	1197.3	1206.3	1213.1	1222.1	1228.8	1236.7	1236.7	1240.1	1242.4
12.5°	1207.5	1213.1	1224.4	1235.6	1245.7	1257.0	1267.2	1275.0	1282.9	1285.1	1289.6
15°	1250.3	1257.0	1273.9	1289.6	1302.0	1316.6	1330.2	1345.9	1360.5	1363.9	1366.1
17.5°	1314.4	1327.9	1340.2	1368.4	1386.4	1405.5	1426.9	1449.4	1453.9	1477.5	1483.2
20°	1405.5	1422.4	1433.7	1468.5	1499.0	1523.7	1555.2	1581.0	1591.2	1613.7	1636.2
22.5°	1563.1	1559.7	1576.6	1611.5	1634.0	1683.5	1710.5	1737.5	1751.0	1784.8	1802.8
25°	1774.6	1792.6	1829.7	1833.2	1854.5	1911.9	1946.8	1973.8	1974.9	1985.1	2004.2
27.5°	1982.8	2057.1	2115.6	2147.2	2204.5	2257.4	2255.1	2293.4	2233.8	2246.1	2264.1
30°	2234.9	2358.7	2468.9	2543.2	2601.8	2663.6	2694.0	2715.4	2689.5	2678.2	2656.9
32.5°	2471.2	2644.5	2814.4	2946.1	3055.2	3157.6	3225.2	3255.5	3291.6	3382.7	3415.3
35°	2633.3	2878.5	3090.2	3280.3	3462.6	3625.8	3743.9	3811.5	3785.6	3773.2	3766.4
37.5°	2730.1	3029.3	3293.8	3562.8	3772.1	4016.3	4199.7	4377.5	4418.0	4347.2	4312.2
40°	2790.8	3145.3	3485.1	3802.5	4073.7	4388.7	4616.1	4882.8	5085.3	5112.3	5029.0
42.5°	2820.1	3222.9	3619.1	3978.0	4344.9	4730.9	5019.0	5341.9	5644.6	5852.7	5801.0
45°	2824.6	3273.6	3716.9	4136.7	4573.3	5031.3	5402.7	5760.5	6165.6	6522.4	6532.5
47.5°	2824.6	3311.8	3784.5	4251.5	4778.1	5292.4	5697.5	6120.6	6616.9	7038.9	7168.3
50°	2826.8	3337.7	3847.5	4341.5	4934.5	5513.0	5971.0	6470.6	6992.7	7451.9	7701.7
52.5°	2836.9	3356.8	3897.0	4405.6	5035.9	5668.3	6183.6	6759.8	7279.7	7751.2	8074.2
55°	2859.5	3383.8	3933.0	4445.0	5103.3	5769.5	6337.8	6957.8	7465.4	7943.6	8394.9
57.5°	2922.5	3431.1	3976.9	4479.9	5140.5	5836.0	6445.8	7043.4	7536.3	8034.8	8564.9
60°	3048.5	3531.3	4052.3	4549.6	5202.4	5958.5	6497.6	6986.0	7484.6	8007.8	8603.1
62.5°	3249.9	3687.7	4156.9	4667.9	5379.1	6148.7	6458.2	6814.9	7280.8	7851.4	8466.9
63°	3319.7	3721.5	4180.5	4693.7	5427.5	6183.6	6441.3	6764.4	7239.2	7801.9	8418.5
65°	3514.4	3871.1	4293.1	4824.2	5626.6	6218.5	6309.6	6500.9	6951.1	7519.4	8132.7
67.5°	3877.8	4234.6	4535.0	5044.8	5794.3	6081.2	5901.1	5924.8	6395.2	6983.7	7535.1
70°	4107.5	4532.7	4689.2	5073.0	5763.9	5877.5	5372.3	5059.5	5436.5	6107.2	6589.8
72.5°	4047.8	4536.2	4519.3	4698.2	5156.3	5262.0	4738.8	4245.8	4469.7	4970.6	5283.4
75°	3467.2	4051.2	3927.4	3891.4	4052.3	4122.1	3729.3	3653.9	3936.4	4214.3	4218.9
77.5°	2496.0	3138.5	2993.4	2785.2	2773.9	2934.8	2987.8	3481.8	3899.3	4118.7	4021.9
80°	1590.1	2286.6	2135.9	1772.3	1766.7	1976.1	2440.8	3112.6	3554.9	3677.5	3425.5
82.5°	830.5	1496.7	1554.1	1330.2	1522.6	1869.1	2322.7	2508.3	2676.1	2692.8	2395.9
85°	517.6	920.5	1082.6	1117.4	1375.1	1657.6	1654.2	1588.9	1514.7	1296.4	1172.5
87.5°	58.5	116.0	175.5	166.5	223.9	314.0	391.6	229.5	160.9	58.5	81.0
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: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1169.2	1170.4	1171.5	1171.5	1177.1	1176.0	1177.1	1179.4	1182.7	1185.0	1187.3
5°	1178.2	1178.2	1182.7	1186.1	1192.8	1197.3	1199.6	1206.3	1214.2	1212.0	1218.8
7.5°	1207.5	1206.3	1210.9	1213.1	1218.8	1226.6	1225.5	1231.1	1237.8	1240.1	1245.7
10°	1246.8	1243.5	1243.5	1241.2	1242.4	1240.1	1240.1	1240.1	1244.6	1243.5	1248.0
12.5°	1287.4	1286.2	1284.0	1277.2	1277.2	1268.2	1263.7	1258.1	1257.0	1249.1	1250.3
15°	1370.7	1370.7	1366.1	1352.6	1341.3	1333.5	1322.3	1314.4	1303.1	1288.5	1280.6
17.5°	1492.1	1476.4	1470.8	1468.5	1450.6	1443.8	1419.1	1393.2	1380.7	1360.5	1349.2
20°	1640.7	1637.3	1614.8	1603.6	1581.0	1549.5	1518.0	1484.2	1464.0	1439.3	1425.8
22.5°	1808.4	1783.6	1772.3	1755.5	1720.6	1684.6	1637.3	1592.3	1560.8	1543.9	1533.8
25°	2004.2	1979.5	1968.2	1945.7	1902.9	1864.7	1806.1	1753.3	1725.1	1697.0	1681.2
27.5°	2264.1	2240.5	2227.0	2168.5	2153.9	2090.9	2018.9	1946.8	1909.6	1868.1	1841.0
30°	2652.3	2653.5	2583.7	2512.8	2439.7	2330.6	2255.1	2174.1	2113.4	2053.7	1994.1
32.5°	3308.4	3140.7	3011.4	2859.5	2700.7	2584.9	2491.5	2394.7	2310.3	2223.6	2124.6
35°	3709.0	3628.1	3460.4	3182.4	3022.6	2882.0	2778.4	2661.3	2557.8	2404.8	2254.0
37.5°	4161.5	3973.5	3769.8	3615.6	3434.5	3271.3	3098.0	2965.2	2786.3	2580.3	2366.5
40°	4822.0	4553.1	4307.8	4100.6	3866.6	3695.5	3502.0	3309.5	3072.1	2773.9	2480.2
42.5°	5511.8	5233.9	4909.7	4640.8	4365.1	4164.8	3925.1	3655.0	3306.2	2937.1	2578.1
45°	6235.4	5864.0	5475.9	5147.3	4860.3	4611.6	4314.5	3956.6	3531.3	3083.4	2669.2
47.5°	6948.8	6522.4	6059.9	5706.5	5332.8	5029.0	4664.5	4212.1	3706.8	3221.8	2760.4
50°	7577.9	7167.2	6610.2	6161.1	5783.0	5408.3	4953.7	4409.0	3845.2	3341.0	2842.6
52.5°	8120.3	7766.9	7180.7	6613.5	6178.0	5757.1	5186.6	4567.7	3984.8	3451.4	2910.1
55°	8518.7	8283.5	7743.3	7040.0	6525.7	6023.8	5383.5	4720.7	4116.5	3539.2	2954.0
57.5°	8819.2	8688.6	8225.0	7441.8	6845.3	6282.7	5587.3	4904.1	4246.9	3614.5	2974.2
60°	8983.4	9019.5	8589.5	7792.8	7127.8	6498.8	5790.9	5060.5	4343.7	3658.4	2963.0
62.5°	8967.7	9188.3	8863.0	8008.9	7292.1	6627.0	5928.2	5133.7	4330.3	3588.6	2860.5
63°	8937.3	9193.9	8893.4	8023.5	7302.2	6631.5	5931.6	5123.6	4302.1	3554.9	2820.1
65°	8675.1	9064.5	8867.6	7957.1	7212.2	6547.2	5860.6	4977.3	4104.0	3373.7	2611.9
67.5°	7972.8	8460.2	8403.9	7487.9	6785.7	6198.2	5498.3	4505.8	3614.5	2928.1	2213.5
70°	6812.7	7270.7	7280.8	6512.2	5925.9	5349.7	4768.0	3666.3	2865.1	2269.7	1650.9
72.5°	5221.5	5516.4	5618.8	5112.3	4719.6	4314.5	3792.3	2661.3	2042.5	1543.9	1074.7
75°	4043.3	3962.3	3961.1	3747.4	3587.6	3389.4	2815.5	1796.1	1341.3	1003.8	657.2
77.5°	3634.8	3274.7	2925.8	2669.2	2540.9	2474.6	1846.6	1082.6	791.1	577.3	378.1
80°	2997.8	2466.7	1993.0	1716.2	1605.8	1682.4	1029.6	585.2	433.3	328.6	245.3
82.5°	2067.3	1716.2	1304.2	1080.3	927.3	970.1	526.6	299.4	200.3	183.4	151.9
85°	1076.9	944.1	796.7	684.1	604.2	531.2	273.5	142.9	83.3	73.2	66.4
87.5°	0.0	1.1	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: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1190.6	1189.4	1191.7	1192.8	1196.2	1198.4	1199.6	1197.3	1200.7	1204.1	1201.9
5°	1222.1	1229.9	1231.1	1234.5	1234.5	1241.2	1241.2	1241.2	1240.1	1241.2	1239.0
7.5°	1249.1	1259.3	1260.3	1264.9	1266.0	1273.9	1270.5	1272.7	1272.7	1267.2	1264.9
10°	1252.4	1262.6	1268.2	1273.9	1281.8	1291.9	1291.9	1297.5	1297.5	1293.0	1291.9
12.5°	1253.6	1261.5	1267.2	1275.0	1286.2	1300.8	1308.7	1316.6	1320.0	1318.9	1315.5
15°	1277.2	1277.2	1278.3	1285.1	1293.0	1311.0	1322.3	1331.3	1336.9	1334.6	1329.0
17.5°	1339.2	1330.2	1323.4	1312.1	1314.4	1323.4	1330.2	1338.0	1339.2	1336.9	1327.9
20°	1411.2	1399.9	1383.0	1365.0	1356.1	1349.2	1344.8	1344.8	1341.3	1330.2	1315.5
22.5°	1513.6	1499.0	1475.3	1448.3	1430.3	1408.9	1383.0	1358.2	1331.3	1304.2	1272.7
25°	1655.3	1635.1	1610.4	1568.7	1530.5	1485.4	1432.5	1377.4	1313.3	1257.0	1210.9
27.5°	1798.2	1753.3	1689.1	1631.7	1560.8	1493.3	1417.9	1350.4	1268.2	1200.7	1150.1
30°	1916.4	1830.9	1738.7	1647.5	1554.1	1462.9	1372.8	1291.9	1201.9	1133.2	1083.7
32.5°	2007.6	1889.4	1761.1	1641.9	1527.0	1415.6	1312.1	1222.1	1131.0	1060.1	1007.2
35°	2092.0	1927.7	1764.5	1617.1	1475.3	1359.4	1242.4	1144.5	1047.7	973.4	916.1
37.5°	2155.0	1945.7	1744.2	1571.0	1407.8	1278.3	1159.1	1059.0	959.9	878.9	813.6
40°	2195.5	1934.4	1700.3	1504.6	1327.9	1191.7	1070.2	966.6	871.0	782.1	703.3
42.5°	2228.2	1919.8	1656.5	1443.8	1264.9	1116.3	991.4	880.0	783.2	686.4	599.8
45°	2276.5	1931.1	1637.3	1401.0	1208.6	1052.1	914.9	799.0	697.7	603.2	519.9
47.5°	2323.8	1936.7	1609.2	1348.2	1137.7	985.8	846.2	733.7	630.2	543.5	467.0
50°	2366.5	1933.3	1565.3	1280.6	1069.0	919.4	784.4	671.8	569.4	489.5	417.5
52.5°	2386.8	1914.2	1511.3	1215.3	1013.9	860.8	723.6	614.4	513.2	437.7	371.4
55°	2384.6	1864.7	1440.4	1153.5	953.2	799.0	663.9	556.0	464.8	395.0	337.6
57.5°	2350.8	1788.2	1365.0	1084.8	873.3	722.5	594.2	489.5	413.0	354.5	306.1
60°	2279.9	1690.3	1266.0	984.7	773.1	628.0	507.6	417.5	355.6	310.6	279.1
62.5°	2147.2	1549.5	1142.2	845.1	638.0	505.3	400.6	342.1	296.0	268.9	254.3
63°	2107.8	1511.3	1089.3	811.4	606.5	477.1	378.1	317.3	283.6	260.0	246.4
65°	1911.9	1323.4	911.5	654.9	471.5	368.0	303.8	257.7	237.4	227.4	226.2
67.5°	1548.4	1040.9	644.8	449.0	320.7	265.6	233.0	213.8	204.8	202.6	204.8
70°	1087.0	657.2	409.6	298.2	237.4	213.8	199.2	191.3	185.7	186.8	189.0
72.5°	693.2	393.9	281.3	226.2	200.3	188.0	181.1	179.0	177.8	176.7	176.7
75°	395.0	262.2	216.1	195.9	182.3	172.1	166.5	164.2	165.4	166.5	164.2
77.5°	261.0	216.1	192.4	179.0	166.5	155.3	151.9	150.8	153.1	155.3	155.3
80°	205.9	192.4	179.0	165.4	145.2	137.3	139.6	140.6	139.6	140.6	137.3
82.5°	145.2	142.9	146.3	140.6	120.4	113.7	111.4	112.5	110.3	110.3	108.0
85°	67.6	67.6	70.9	70.9	68.6	69.7	75.4	82.2	85.5	82.2	77.6
87.5°	0.0	0.0	0.0	0.0	0.0	10.2	20.2	29.2	31.5	39.4	38.2
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: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1198.4	1200.7	1199.6	1198.4	1200.7	1198.4	1199.6	1198.4	1198.4	1197.3	1197.3
5°	1236.7	1240.1	1233.4	1232.2	1229.9	1224.4	1224.4	1222.1	1222.1	1217.6	1214.2
7.5°	1261.5	1262.6	1257.0	1255.9	1250.3	1244.6	1240.1	1235.6	1234.5	1231.1	1224.4
10°	1285.1	1282.9	1278.3	1272.7	1267.2	1259.3	1253.6	1248.0	1246.8	1241.2	1233.4
12.5°	1305.4	1304.2	1295.2	1289.6	1280.6	1272.7	1266.0	1259.3	1255.9	1249.1	1237.8
15°	1318.9	1312.1	1300.8	1290.8	1280.6	1271.6	1263.7	1255.9	1252.4	1244.6	1233.4
17.5°	1313.3	1300.8	1286.2	1273.9	1260.3	1249.1	1242.4	1234.5	1228.8	1224.4	1208.6
20°	1293.0	1275.0	1252.4	1237.8	1219.9	1205.2	1200.7	1192.8	1188.3	1171.5	1151.2
22.5°	1240.1	1214.2	1186.1	1164.7	1144.5	1129.8	1118.5	1110.7	1099.5	1089.3	1057.8
25°	1173.7	1144.5	1115.2	1089.3	1062.3	1039.8	1019.6	1000.4	994.8	973.4	943.0
27.5°	1109.5	1076.9	1047.7	1017.3	982.4	954.3	919.4	892.3	874.4	851.9	823.7
30°	1040.9	1008.3	968.9	928.4	887.9	857.5	818.1	785.5	763.0	739.4	713.5
32.5°	954.3	914.9	867.7	822.6	785.5	749.4	710.1	678.5	656.1	634.7	609.9
35°	855.2	803.5	752.8	703.3	663.9	633.6	598.7	575.0	559.3	540.1	514.3
37.5°	741.6	683.1	629.0	590.8	556.0	526.6	501.9	487.3	470.4	460.2	444.5
40°	626.8	569.4	516.5	481.7	452.3	435.5	422.0	418.7	407.4	393.9	383.7
42.5°	525.5	470.4	418.7	390.5	371.4	366.8	360.1	360.1	354.5	344.4	337.6
45°	456.9	399.5	354.5	334.2	324.0	323.0	319.6	319.6	318.4	314.0	306.1
47.5°	407.4	355.6	320.7	308.3	306.1	303.8	300.4	299.4	298.2	294.8	290.4
50°	362.4	318.4	296.0	290.4	291.5	288.1	284.7	281.3	280.2	276.8	272.3
52.5°	320.7	289.2	274.6	271.2	271.2	271.2	268.9	268.9	266.7	265.6	261.0
55°	297.1	273.5	265.6	264.5	263.3	262.2	260.0	260.0	257.7	256.6	251.0
57.5°	276.8	262.2	257.7	255.4	254.3	252.0	251.0	251.0	251.0	251.0	244.1
60°	261.0	254.3	253.2	251.0	249.8	245.3	243.1	242.0	243.1	244.1	237.4
62.5°	244.1	243.1	242.0	239.7	238.5	234.1	230.7	228.4	230.7	233.0	231.8
63°	239.7	238.5	238.5	237.4	236.3	230.7	227.4	225.1	227.4	229.5	229.5
65°	223.9	225.1	225.1	223.9	222.8	219.5	214.9	212.6	213.8	217.2	218.3
67.5°	207.0	208.2	207.0	208.2	207.0	204.8	201.5	199.2	198.0	199.2	200.3
70°	191.3	193.6	192.4	191.3	190.2	190.2	188.0	184.6	183.4	182.3	182.3
72.5°	177.8	177.8	175.5	175.5	174.4	174.4	172.1	168.8	167.7	167.7	165.4
75°	163.2	163.2	159.8	159.8	157.5	158.7	156.4	153.1	151.9	151.9	150.8
77.5°	154.2	150.8	145.2	144.0	142.9	142.9	141.8	138.4	137.3	137.3	136.2
80°	136.2	129.4	123.8	122.7	123.8	126.0	126.0	123.8	123.8	123.8	123.8
82.5°	105.8	103.5	100.1	97.9	97.9	101.2	105.8	108.0	110.3	112.5	112.5
85°	77.6	78.8	77.6	74.3	73.2	76.5	81.0	85.5	86.6	91.2	90.1
87.5°	41.7	42.8	39.4	38.2	41.7	43.9	48.4	49.5	51.8	52.8	54.0
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: P152738

CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1196.2	1195.1	1196.2	1194.0	1194.0	1191.7	1189.4	1188.3	1186.1	1185.0	1182.7
5°	1216.5	1213.1	1209.7	1208.6	1204.1	1199.6	1196.2	1190.6	1186.1	1178.2	1176.0
7.5°	1229.9	1222.1	1217.6	1216.5	1209.7	1206.3	1198.4	1191.7	1185.0	1174.8	1171.5
10°	1235.6	1227.8	1219.9	1216.5	1208.6	1203.0	1195.1	1185.0	1179.4	1169.2	1166.9
12.5°	1242.4	1227.8	1215.3	1206.3	1195.1	1182.7	1174.8	1169.2	1161.3	1155.8	1153.5
15°	1229.9	1210.9	1191.7	1174.8	1156.8	1143.3	1135.4	1126.4	1117.4	1114.1	1114.1
17.5°	1196.2	1171.5	1138.9	1117.4	1098.3	1083.7	1073.6	1064.6	1063.4	1059.0	1061.1
20°	1126.4	1093.8	1062.3	1046.5	1035.3	1026.3	1016.2	1011.7	1008.3	1001.6	999.3
22.5°	1029.6	1002.7	980.1	968.9	959.9	948.6	939.7	926.1	922.8	916.1	912.6
25°	922.8	901.3	882.3	874.4	868.7	853.0	847.4	829.3	817.0	809.1	813.6
27.5°	815.9	800.1	782.1	772.0	768.6	754.0	748.3	728.1	717.9	717.9	706.7
30°	705.6	691.0	679.7	668.4	666.2	648.2	633.6	625.7	614.4	609.9	602.1
32.5°	602.1	587.5	578.4	572.7	563.8	549.1	534.5	521.0	503.0	496.3	492.8
35°	506.4	495.1	483.9	479.4	467.0	451.3	433.3	422.0	400.6	392.7	389.3
37.5°	433.3	419.8	411.9	399.5	387.2	370.3	356.7	346.6	338.8	335.3	335.3
40°	374.7	364.6	355.6	345.5	335.3	326.3	319.6	317.3	316.2	316.2	318.4
42.5°	330.9	321.9	317.3	311.7	308.3	308.3	307.3	308.3	309.4	310.6	314.0
45°	301.6	296.0	293.7	292.5	294.8	297.1	298.2	300.4	305.0	307.3	308.3
47.5°	285.8	281.3	280.2	281.3	284.7	289.2	293.7	297.1	300.4	301.6	302.7
50°	270.1	264.5	262.2	264.5	268.9	275.8	279.1	284.7	286.9	289.2	286.9
52.5°	256.6	252.0	251.0	251.0	255.4	260.0	264.5	268.9	270.1	270.1	268.9
55°	245.3	242.0	238.5	240.8	244.1	248.7	255.4	258.9	261.0	262.2	262.2
57.5°	236.3	233.0	229.5	231.8	235.2	239.7	246.4	249.8	252.0	255.4	256.6
60°	229.5	225.1	221.7	225.1	228.4	235.2	240.8	244.1	249.8	251.0	251.0
62.5°	222.8	218.3	212.6	216.1	216.1	219.5	225.1	229.5	235.2	237.4	237.4
63°	221.7	217.2	211.6	213.8	213.8	216.1	220.5	225.1	231.8	234.1	233.0
65°	212.6	211.6	205.9	205.9	203.7	205.9	209.3	213.8	217.2	220.5	220.5
67.5°	198.0	196.9	195.9	195.9	195.9	198.0	200.3	203.7	207.0	209.3	208.2
70°	181.1	181.1	181.1	182.3	182.3	184.6	185.7	184.6	188.0	190.2	189.0
72.5°	166.5	165.4	164.2	166.5	165.4	165.4	167.7	166.5	169.9	169.9	171.1
75°	150.8	149.6	149.6	150.8	148.5	146.3	147.5	147.5	148.5	148.5	150.8
77.5°	137.3	137.3	137.3	136.2	133.9	132.7	131.7	131.7	131.7	131.7	132.7
80°	124.9	124.9	124.9	123.8	121.6	119.3	117.0	116.0	114.8	109.1	109.1
82.5°	112.5	112.5	112.5	112.5	111.4	109.1	105.8	96.8	92.2	87.8	88.9
85°	88.9	91.2	93.4	96.8	95.6	95.6	88.9	77.6	70.9	66.4	67.6
87.5°	57.4	50.7	50.7	49.5	47.3	45.0	45.0	38.2	31.5	28.1	29.2
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: P152738
 CATALOG NUMBER: VXS-E04-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	0°
2.5°	1182.7	1180.4	1178.2	1178.2	1174.8	1174.8	1172.5	1177.1	1172.5	1169.2	1169.2	2.5°
5°	1173.7	1171.5	1164.7	1163.6	1159.1	1159.1	1159.1	1156.8	1156.8	1154.6	1153.5	5°
7.5°	1168.1	1162.5	1156.8	1153.5	1153.5	1151.2	1155.8	1153.5	1154.6	1154.6	1155.8	7.5°
10°	1163.6	1159.1	1156.8	1155.8	1155.8	1159.1	1162.5	1163.6	1162.5	1163.6	1163.6	10°
12.5°	1152.3	1154.6	1155.8	1160.2	1165.8	1172.5	1180.4	1181.6	1183.8	1183.8	1186.1	12.5°
15°	1116.3	1122.0	1128.7	1140.0	1154.6	1169.2	1183.8	1196.2	1207.5	1213.1	1217.6	15°
17.5°	1065.7	1071.3	1083.7	1096.1	1115.2	1136.6	1161.3	1182.7	1206.3	1227.8	1249.1	17.5°
20°	997.0	1006.0	1009.4	1031.9	1054.4	1083.7	1113.0	1146.7	1187.3	1227.8	1269.3	20°
22.5°	908.1	918.2	934.0	952.0	975.6	1011.7	1046.5	1099.5	1153.5	1210.9	1276.2	22.5°
25°	809.1	820.3	833.9	853.0	876.6	914.9	965.5	1021.8	1088.2	1163.6	1244.6	25°
27.5°	706.7	717.9	729.2	742.7	769.7	810.3	869.8	928.4	1001.6	1083.7	1178.2	27.5°
30°	604.2	605.4	612.1	629.0	657.2	710.1	754.0	827.2	903.6	990.3	1099.5	30°
32.5°	491.8	490.7	498.5	513.2	540.1	590.8	644.8	715.8	791.1	900.2	1012.7	32.5°
35°	391.6	391.6	406.2	420.8	451.3	487.3	534.5	597.5	686.4	787.8	900.2	35°
37.5°	338.8	346.6	355.6	370.3	393.9	422.0	463.6	518.8	588.5	685.3	788.8	37.5°
40°	321.9	326.3	334.2	347.8	368.0	393.9	424.2	465.9	519.9	597.5	692.1	40°
42.5°	315.1	316.2	320.7	330.9	348.8	374.7	406.2	443.4	483.9	539.1	621.1	42.5°
45°	308.3	307.3	309.4	317.3	332.0	361.2	397.2	437.7	478.2	524.4	591.9	45°
47.5°	302.7	302.7	302.7	306.1	319.6	348.8	390.5	437.7	486.1	537.9	604.2	47.5°
50°	286.9	285.8	285.8	288.1	298.2	329.7	379.3	436.6	499.7	567.2	642.6	50°
52.5°	268.9	268.9	270.1	271.2	280.2	311.7	366.8	436.6	515.4	605.4	700.0	52.5°
55°	263.3	264.5	265.6	264.5	271.2	298.2	353.4	429.8	522.2	635.9	761.9	55°
57.5°	258.9	261.0	261.0	260.0	264.5	286.9	339.9	416.4	516.5	647.0	805.7	57.5°
60°	252.0	252.0	252.0	248.7	251.0	271.2	319.6	395.0	498.5	636.9	812.4	60°
62.5°	237.4	237.4	235.2	234.1	233.0	248.7	292.5	363.5	465.9	609.9	795.6	62.5°
63°	234.1	233.0	233.0	229.5	229.5	244.1	286.9	359.0	456.9	603.2	788.8	63°
65°	221.7	221.7	221.7	219.5	218.3	229.5	264.5	327.5	422.0	571.7	755.1	65°
67.5°	208.2	209.3	207.0	205.9	204.8	211.6	238.5	288.1	368.0	505.3	692.1	67.5°
70°	189.0	190.2	190.2	189.0	188.0	192.4	209.3	247.6	305.0	420.8	589.6	70°
72.5°	172.1	174.4	174.4	176.7	176.7	180.0	186.8	205.9	244.1	328.6	463.6	72.5°
75°	154.2	155.3	157.5	159.8	157.5	156.4	157.5	172.1	191.3	243.1	330.9	75°
77.5°	138.4	141.8	141.8	140.6	137.3	135.0	135.0	141.8	157.5	184.6	236.3	77.5°
80°	114.8	120.4	121.6	118.1	114.8	114.8	117.0	121.6	131.7	151.9	179.0	80°
82.5°	92.2	97.9	99.1	100.1	99.1	102.4	102.4	103.5	109.1	124.9	146.3	82.5°
85°	70.9	75.4	78.8	79.9	81.0	82.2	81.0	75.4	78.8	88.9	99.1	85°
87.5°	31.5	32.6	30.4	31.5	30.4	31.5	32.6	27.0	25.9	34.9	36.0	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°



NUMBER: P152738

NUMBER: VXS-E04-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
1168.1	1168.1	1169.2	1166.9	1166.9	1168.1	1164.7
1150.1	1154.6	1154.6	1154.6	1152.3	1154.6	1155.8
1154.6	1157.9	1160.2	1160.2	1159.1	1163.6	1166.9
1160.2	1165.8	1168.1	1168.1	1168.1	1173.7	1181.6
1181.6	1186.1	1189.4	1189.4	1191.7	1198.4	1207.5
1220.9	1226.6	1226.6	1225.5	1232.2	1240.1	1250.3
1264.9	1280.6	1288.5	1287.4	1293.0	1303.1	1314.4
1306.5	1350.4	1369.5	1383.0	1388.6	1402.2	1405.5
1341.3	1414.5	1467.5	1512.4	1533.8	1547.4	1563.1
1329.0	1428.1	1522.6	1614.8	1680.1	1746.5	1774.6
1278.3	1402.2	1525.9	1660.9	1779.2	1897.3	1982.8
1216.5	1365.0	1531.6	1722.9	1909.6	2090.9	2234.9
1145.6	1330.2	1543.9	1780.2	2025.6	2263.0	2471.2
1056.7	1263.7	1513.6	1785.9	2075.1	2363.2	2633.3
944.1	1173.7	1442.7	1745.4	2077.3	2407.0	2730.1
831.6	1060.1	1352.6	1686.8	2048.1	2417.2	2790.8
752.8	958.8	1261.5	1612.5	2000.8	2401.5	2820.1
698.9	885.6	1180.4	1545.1	1950.2	2373.3	2824.6
694.3	854.1	1127.6	1495.5	1909.6	2348.5	2824.6
732.5	871.0	1109.5	1470.8	1892.7	2340.6	2826.8
804.6	938.5	1142.2	1489.9	1906.3	2350.8	2836.9
891.3	1040.9	1229.9	1556.3	1963.7	2384.6	2859.5
970.1	1159.1	1379.7	1684.6	2068.3	2470.1	2922.5
1016.2	1260.3	1538.3	1864.7	2247.3	2640.0	3048.5
1021.8	1316.6	1679.0	2060.4	2464.5	2834.7	3249.9
1017.3	1321.1	1697.0	2097.6	2510.6	2883.1	3319.7
992.5	1322.3	1747.7	2228.2	2670.4	3086.7	3514.4
929.5	1286.2	1765.6	2330.6	2871.8	3354.6	3877.8
820.3	1183.8	1712.7	2332.7	2949.4	3504.2	4107.5
659.5	989.1	1484.2	2122.4	2744.7	3356.8	4047.8
482.8	726.9	1122.0	1644.1	2239.4	2794.2	3467.2
320.7	470.4	756.2	1171.5	1605.8	2011.0	2496.0
220.5	291.5	442.3	704.5	982.4	1179.4	1590.1
162.1	192.4	245.3	360.1	472.6	581.8	830.5
101.2	110.3	122.7	177.8	254.3	343.2	517.6
27.0	28.1	25.9	34.9	55.1	52.8	58.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)