

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: P152714

Luminaire Tested: **VXS-F01-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152714
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-F01-LED-E1-SLL-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2098 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



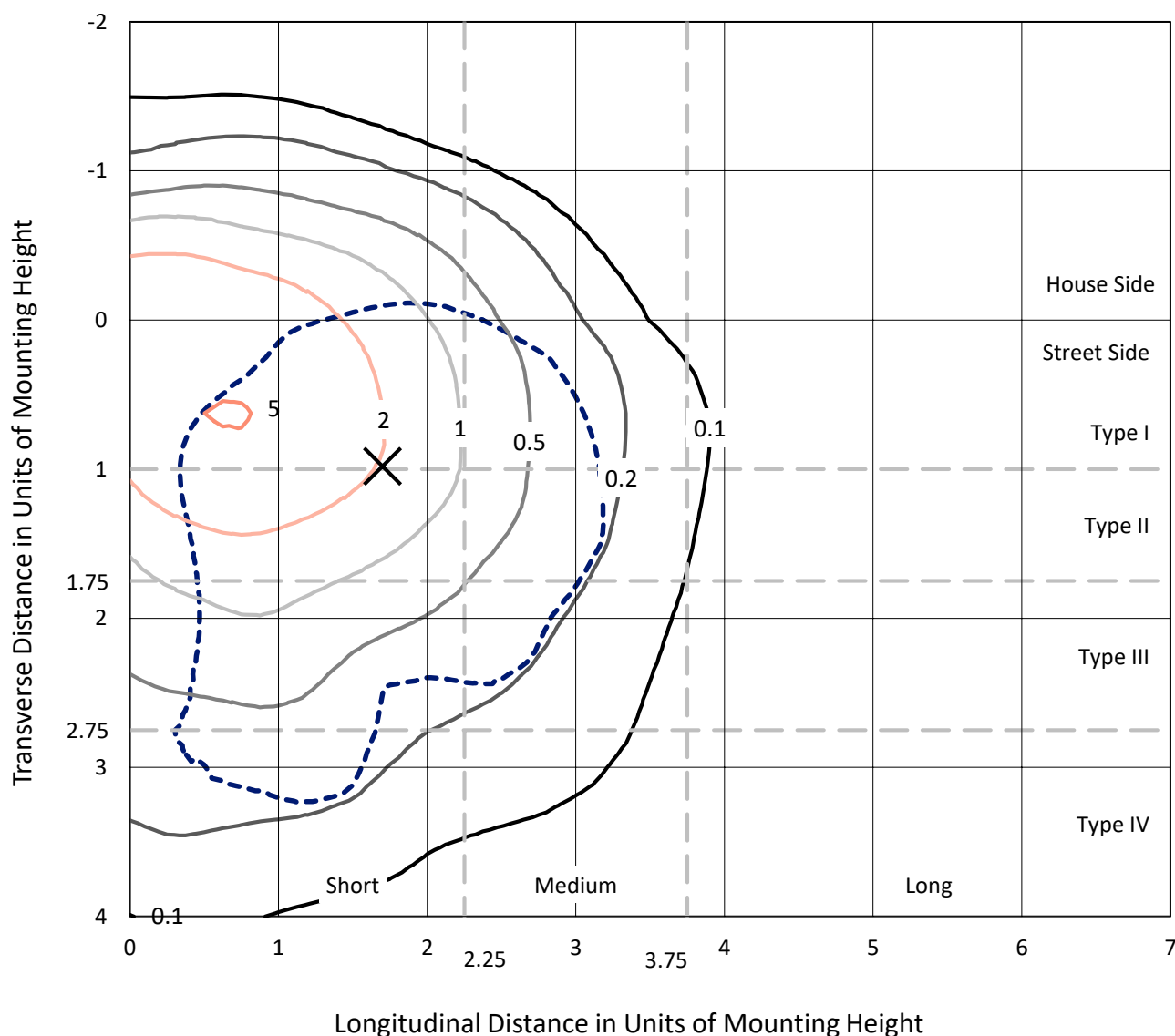
REPORT NUMBER: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

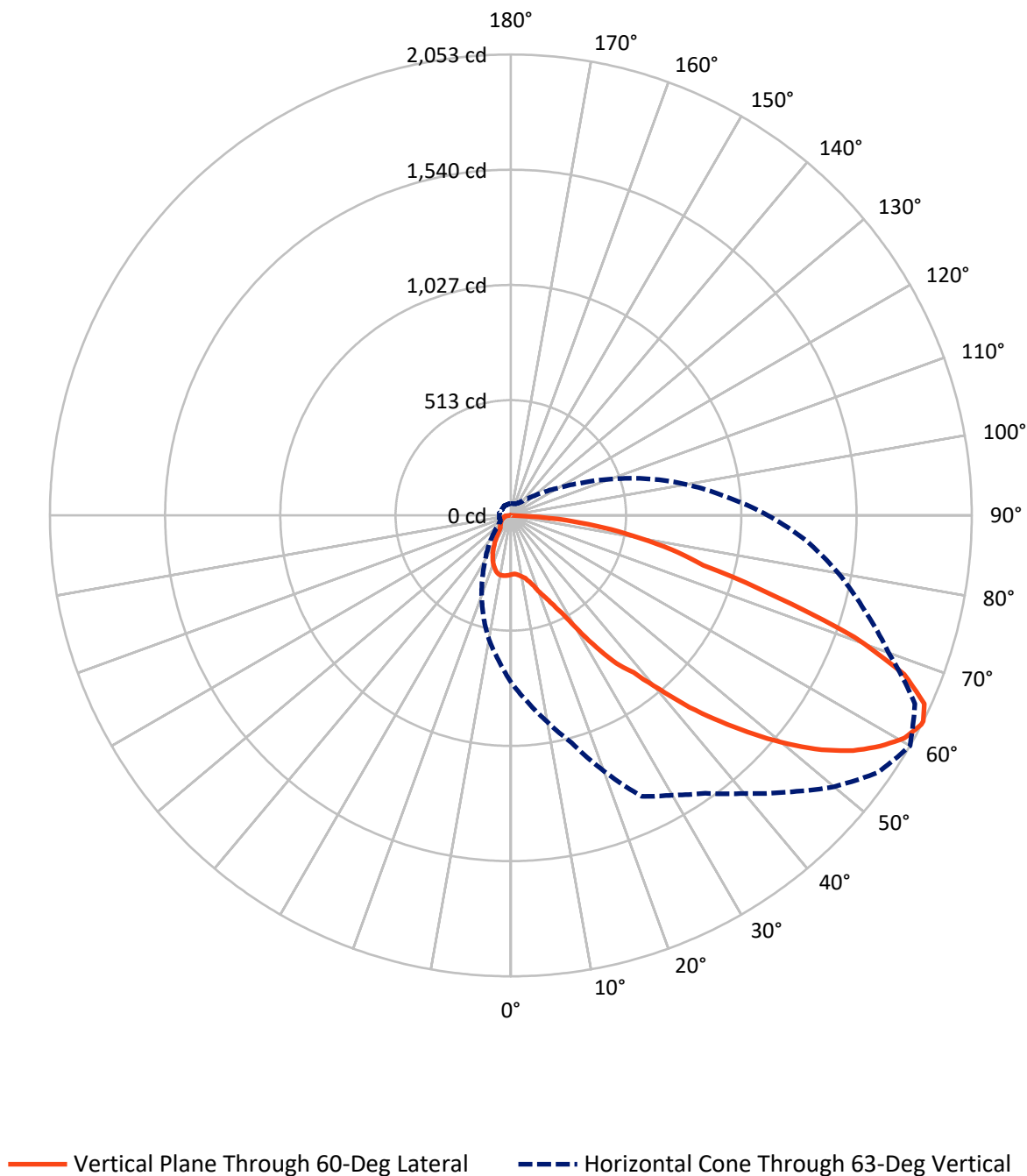


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P152714

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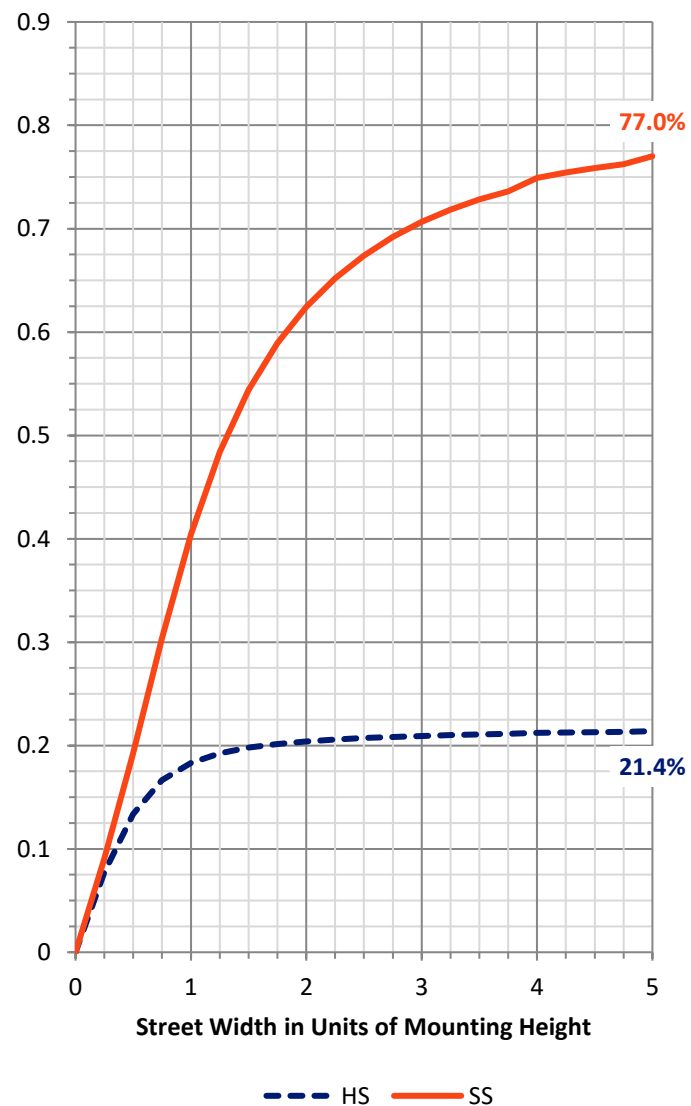
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	454.9	0.0	454.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1643.0	0.0	1643.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	2098.0	0.0	2098.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.2
10°-20°	79.9	3.8
20°-30°	142.0	6.8
30°-40°	223.6	10.7
40°-50°	329.1	15.7
50°-60°	437.1	20.8
60°-70°	481.5	23.0
70°-80°	302.1	14.4
80°-90°	76.9	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°	2098.0	100.0
0°-180°	2098.0	100.0

Coefficient of Utilization



REPORT NUMBER: P152714

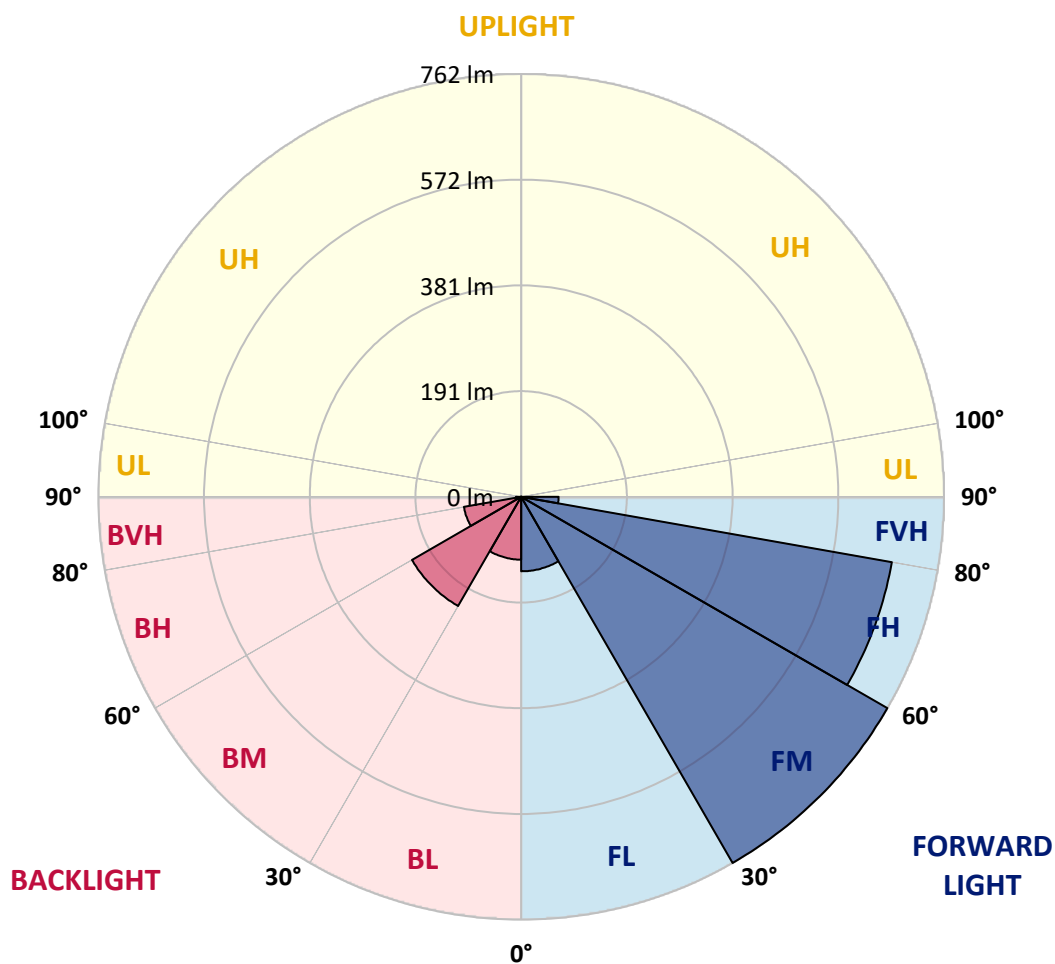
CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.3	6.4			
FM	(30°-60°)	762.4	36.3			
FH	(60°-80°)	678.7	32.4			G1/1800
FVH	(80°-90°)	67.5	3.2			G1/100
BL	(0°-30°)	113.3	5.4	B1/500		
BM	(30°-60°)	227.4	10.8	B1/1000		
BH	(60°-80°)	104.9	5.0	B0/110		G0/110
BVH	(80°-90°)	9.4	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



REPORT NUMBER: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	260.1	260.6	260.6	260.4	260.4	260.9	260.6	260.4	259.6	260.6	260.6
5°	258.1	258.7	258.7	259.2	259.6	260.1	260.1	260.6	260.4	261.3	262.2
7.5°	260.6	261.1	262.2	263.4	264.1	265.9	265.9	267.2	267.7	268.4	268.2
10°	263.9	265.2	267.5	269.4	271.0	273.0	274.4	276.2	276.2	277.0	277.5
12.5°	269.6	271.0	273.5	276.0	278.2	280.7	283.0	284.8	286.5	287.0	288.0
15°	279.3	280.7	284.5	288.0	290.8	294.1	297.1	300.6	303.8	304.7	305.1
17.5°	293.6	296.6	299.4	305.6	309.6	313.9	318.7	323.7	324.8	329.9	331.3
20°	313.9	317.7	320.2	328.0	334.8	340.3	347.4	353.2	355.3	360.4	365.4
22.5°	349.1	348.4	352.1	359.9	365.0	376.0	382.1	388.1	391.1	398.7	402.6
25°	396.4	400.4	408.7	409.4	414.2	427.0	434.8	440.8	441.0	443.3	447.7
27.5°	442.8	459.5	472.5	479.6	492.3	504.1	503.6	512.2	498.9	501.7	505.7
30°	499.2	526.8	551.4	568.0	581.0	594.9	601.7	606.4	600.7	598.1	593.4
32.5°	551.9	590.7	628.6	658.0	682.4	705.3	720.3	727.2	735.1	755.5	762.8
35°	588.1	642.9	690.2	732.6	773.4	809.7	836.2	851.3	845.5	842.7	841.2
37.5°	609.7	676.6	735.6	795.8	842.5	897.0	937.9	977.7	986.7	970.9	963.1
40°	623.3	702.5	778.3	849.2	909.8	980.2	1031.0	1090.6	1135.8	1141.8	1123.2
42.5°	629.8	719.8	808.3	888.5	970.4	1056.6	1120.9	1193.1	1260.7	1307.2	1295.6
45°	630.9	731.1	830.2	923.9	1021.5	1123.7	1206.6	1286.5	1377.0	1456.7	1459.0
47.5°	630.9	739.7	845.2	949.5	1067.2	1182.0	1272.5	1366.9	1477.8	1572.1	1600.9
50°	631.3	745.5	859.3	969.6	1102.1	1231.3	1333.6	1445.2	1561.8	1664.4	1720.1
52.5°	633.6	749.7	870.4	983.9	1124.7	1265.9	1381.0	1509.7	1625.9	1731.2	1803.3
55°	638.7	755.8	878.4	992.7	1139.8	1288.6	1415.5	1554.0	1667.4	1774.2	1874.9
57.5°	652.7	766.3	888.2	1000.5	1148.1	1303.4	1439.6	1573.1	1683.2	1794.5	1912.8
60°	680.8	788.7	905.1	1016.2	1161.9	1330.8	1451.2	1560.3	1671.6	1788.5	1921.5
62.5°	725.8	823.6	928.4	1042.5	1201.3	1373.3	1442.4	1522.1	1626.1	1753.6	1891.0
63°	741.5	831.2	933.7	1048.3	1212.1	1381.0	1438.7	1510.8	1616.8	1742.5	1880.2
65°	784.9	864.6	958.9	1077.4	1256.7	1388.8	1409.2	1451.9	1552.4	1679.4	1816.4
67.5°	866.1	945.8	1012.8	1126.7	1294.1	1358.2	1318.0	1323.2	1428.3	1559.8	1682.9
70°	917.4	1012.3	1047.3	1133.0	1287.4	1312.7	1199.9	1129.9	1214.2	1363.9	1471.8
72.5°	904.0	1013.2	1009.3	1049.3	1151.6	1175.2	1058.3	948.3	998.2	1110.2	1180.0
75°	774.3	904.8	877.1	869.1	905.1	920.6	833.0	816.1	879.2	941.2	942.3
77.5°	557.4	700.9	668.5	622.1	619.5	655.4	667.3	777.6	870.9	919.9	898.2
80°	355.1	510.7	477.0	395.9	394.6	441.3	545.2	695.2	794.0	821.3	765.1
82.5°	185.5	334.3	347.0	297.1	340.0	417.4	518.8	560.2	597.6	601.5	535.1
85°	115.6	205.6	241.8	249.5	307.2	370.3	369.4	354.9	338.3	289.5	261.9
87.5°	13.1	25.9	39.2	37.2	50.1	70.2	87.5	51.3	36.0	13.1	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: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	261.1	261.3	261.7	261.7	262.9	262.6	262.9	263.4	264.1	264.7	265.2
5°	263.1	263.1	264.1	264.9	266.4	267.5	267.9	269.4	271.2	270.7	272.2
7.5°	269.6	269.4	270.5	271.0	272.2	274.0	273.7	274.9	276.5	277.0	278.2
10°	278.4	277.7	277.7	277.2	277.5	277.0	277.0	277.0	277.9	277.7	278.8
12.5°	287.6	287.3	286.7	285.3	285.3	283.2	282.3	281.0	280.7	279.0	279.3
15°	306.1	306.1	305.1	302.1	299.6	297.8	295.3	293.6	291.1	287.8	286.0
17.5°	333.3	329.7	328.5	328.0	323.9	322.5	316.9	311.2	308.4	303.8	301.3
20°	366.4	365.7	360.6	358.1	353.2	346.1	339.1	331.5	326.9	321.5	318.4
22.5°	403.9	398.3	395.9	392.1	384.2	376.3	365.7	355.6	348.6	344.9	342.6
25°	447.7	442.1	439.6	434.5	425.0	416.5	403.4	391.6	385.3	379.0	375.4
27.5°	505.7	500.4	497.4	484.4	481.0	466.9	450.9	434.8	426.5	417.2	411.2
30°	592.4	592.6	577.1	561.2	544.9	520.5	503.6	485.6	472.0	458.7	445.4
32.5°	739.0	701.5	672.5	638.7	603.2	577.3	556.5	534.8	516.0	496.6	474.5
35°	828.4	810.3	772.8	710.8	675.0	643.6	620.5	594.4	571.3	537.1	503.4
37.5°	929.4	887.5	842.0	807.6	767.0	730.6	691.9	662.3	622.3	576.3	528.6
40°	1077.0	1016.9	962.1	915.9	863.5	825.4	782.2	739.2	686.1	619.5	553.9
42.5°	1231.0	1168.9	1096.6	1036.5	974.9	930.2	876.7	816.4	738.4	656.0	575.8
45°	1392.6	1309.6	1223.0	1149.6	1085.5	1029.9	963.6	883.7	788.7	688.6	596.2
47.5°	1552.0	1456.7	1353.4	1274.5	1191.1	1123.2	1041.8	940.7	827.9	719.6	616.5
50°	1692.4	1600.7	1476.3	1376.1	1291.6	1207.9	1106.3	984.8	858.8	746.2	634.8
52.5°	1813.6	1734.7	1603.7	1477.1	1379.8	1285.8	1158.3	1020.1	889.9	770.9	649.9
55°	1902.6	1850.1	1729.4	1572.3	1457.5	1345.4	1202.4	1054.3	919.4	790.5	659.8
57.5°	1969.6	1940.5	1837.0	1662.1	1528.8	1403.2	1247.9	1095.3	948.5	807.3	664.2
60°	2006.4	2014.4	1918.4	1740.5	1591.9	1451.4	1293.4	1130.3	970.2	817.1	661.8
62.5°	2002.9	2052.1	1979.5	1788.7	1628.6	1480.1	1324.0	1146.5	967.2	801.5	638.9
63°	1996.1	2053.4	1986.3	1792.0	1630.9	1481.1	1324.8	1144.4	960.8	794.0	629.8
65°	1937.5	2024.5	1980.5	1777.2	1610.8	1462.3	1308.9	1111.6	916.6	753.5	583.3
67.5°	1780.7	1889.5	1876.9	1672.3	1515.5	1384.4	1228.0	1006.3	807.3	654.0	494.4
70°	1521.6	1623.8	1626.1	1454.4	1323.5	1194.8	1064.9	818.9	639.9	506.9	368.7
72.5°	1166.2	1232.0	1254.9	1141.8	1054.1	963.6	846.9	594.4	456.2	344.9	240.0
75°	903.0	885.0	884.7	836.9	801.2	757.0	628.8	401.1	299.6	224.1	146.7
77.5°	811.8	731.4	653.5	596.2	567.5	552.6	412.4	241.8	176.7	128.9	84.5
80°	669.5	550.9	445.1	383.3	358.7	375.8	229.9	130.7	96.8	73.4	54.8
82.5°	461.7	383.3	291.3	241.2	207.0	216.7	117.6	66.8	44.8	40.9	33.9
85°	240.5	210.9	177.9	152.8	134.9	118.7	61.0	31.9	18.5	16.4	14.8
87.5°	0.0	0.2	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: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	265.9	265.7	266.1	266.4	267.2	267.7	267.9	267.5	268.2	268.9	268.4
5°	273.0	274.7	274.9	275.8	275.8	277.2	277.2	277.2	277.0	277.2	276.7
7.5°	279.0	281.2	281.5	282.5	282.8	284.5	283.7	284.2	284.2	283.0	282.5
10°	279.7	282.0	283.2	284.5	286.2	288.5	288.5	289.7	289.7	288.8	288.5
12.5°	280.0	281.8	283.0	284.8	287.3	290.6	292.3	294.1	294.8	294.6	293.8
15°	285.3	285.3	285.5	287.0	288.8	292.8	295.3	297.3	298.5	298.0	296.8
17.5°	299.1	297.1	295.5	293.1	293.6	295.5	297.1	298.9	299.1	298.5	296.6
20°	315.1	312.6	308.9	304.9	302.9	301.3	300.3	300.3	299.6	297.1	293.8
22.5°	338.0	334.8	329.5	323.4	319.5	314.7	308.9	303.3	297.3	291.3	284.2
25°	369.7	365.2	359.7	350.4	341.8	331.7	319.9	307.7	293.3	280.7	270.5
27.5°	401.7	391.6	377.2	364.5	348.6	333.5	316.7	301.6	283.2	268.2	256.9
30°	428.0	408.9	388.3	368.0	347.0	326.7	306.6	288.5	268.4	253.1	242.1
32.5°	448.4	422.0	393.4	366.7	341.0	316.2	293.1	273.0	252.5	236.8	225.0
35°	467.3	430.6	394.1	361.1	329.5	303.6	277.5	255.6	234.0	217.4	204.6
37.5°	481.3	434.5	389.5	350.9	314.4	285.5	258.9	236.5	214.4	196.3	181.8
40°	490.4	432.0	379.8	336.1	296.6	266.1	239.1	215.9	194.5	174.7	157.1
42.5°	497.6	428.8	369.9	322.5	282.5	249.3	221.5	196.6	174.9	153.3	134.0
45°	508.4	431.3	365.7	313.0	269.9	235.0	204.4	178.4	155.9	134.7	116.2
47.5°	519.0	432.5	359.4	301.1	254.1	220.2	189.0	163.8	140.7	121.3	104.4
50°	528.6	431.8	349.6	286.0	238.8	205.4	175.1	150.1	127.2	109.3	93.3
52.5°	533.1	427.6	337.5	271.4	226.4	192.2	161.6	137.2	114.6	97.7	82.9
55°	532.5	416.5	321.7	257.6	212.8	178.4	148.3	124.1	103.8	88.2	75.4
57.5°	525.1	399.4	304.9	242.3	195.0	161.3	132.7	109.3	92.2	79.2	68.4
60°	509.2	377.5	282.8	219.9	172.6	140.2	113.4	93.3	79.4	69.3	62.3
62.5°	479.6	346.1	255.1	188.7	142.5	112.8	89.4	76.4	66.1	60.1	56.8
63°	470.8	337.5	243.3	181.2	135.4	106.5	84.5	70.9	63.3	58.0	55.0
65°	427.0	295.5	203.6	146.3	105.3	82.2	67.9	57.5	53.1	50.8	50.5
67.5°	345.8	232.4	144.0	100.3	71.6	59.3	52.0	47.8	45.7	45.3	45.7
70°	242.8	146.7	91.5	66.6	53.1	47.8	44.5	42.7	41.5	41.8	42.2
72.5°	154.8	88.0	62.8	50.5	44.8	42.0	40.4	40.0	39.7	39.5	39.5
75°	88.2	58.5	48.3	43.7	40.7	38.4	37.2	36.7	37.0	37.2	36.7
77.5°	58.3	48.3	43.0	40.0	37.2	34.7	33.9	33.7	34.2	34.7	34.7
80°	46.0	43.0	40.0	37.0	32.4	30.7	31.2	31.4	31.2	31.4	30.7
82.5°	32.4	31.9	32.6	31.4	26.9	25.4	24.9	25.2	24.7	24.7	24.1
85°	15.1	15.1	15.9	15.9	15.3	15.5	16.8	18.3	19.1	18.3	17.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.6	6.5	7.0	8.8	8.5
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: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.7	268.2	267.9	267.7	268.2	267.7	267.9	267.7	267.7	267.5	267.5
5°	276.2	277.0	275.4	275.2	274.7	273.5	273.5	273.0	273.0	271.9	271.2
7.5°	281.8	282.0	280.7	280.5	279.3	277.9	277.0	276.0	275.8	274.9	273.5
10°	287.0	286.5	285.5	284.2	283.0	281.2	280.0	278.8	278.4	277.2	275.4
12.5°	291.5	291.3	289.3	288.0	286.0	284.2	282.8	281.2	280.5	279.0	276.5
15°	294.6	293.1	290.6	288.3	286.0	284.0	282.3	280.5	279.7	277.9	275.4
17.5°	293.3	290.6	287.3	284.5	281.5	279.0	277.5	275.8	274.4	273.5	269.9
20°	288.8	284.8	279.7	276.5	272.4	269.2	268.2	266.4	265.4	261.7	257.1
22.5°	277.0	271.2	264.9	260.1	255.6	252.3	249.8	248.1	245.6	243.3	236.3
25°	262.2	255.6	249.1	243.3	237.3	232.2	227.7	223.4	222.2	217.4	210.6
27.5°	247.8	240.5	234.0	227.3	219.4	213.2	205.4	199.3	195.2	190.3	183.9
30°	232.4	225.2	216.4	207.4	198.3	191.5	182.7	175.4	170.4	165.1	159.4
32.5°	213.2	204.4	193.8	183.7	175.4	167.4	158.5	151.5	146.5	141.8	136.3
35°	191.0	179.5	168.2	157.1	148.3	141.5	133.7	128.4	124.9	120.6	114.8
37.5°	165.6	152.5	140.5	131.9	124.1	117.6	112.1	108.8	105.1	102.8	99.3
40°	140.0	127.2	115.3	107.6	101.0	97.3	94.3	93.5	91.0	88.0	85.7
42.5°	117.4	105.1	93.5	87.3	82.9	82.0	80.4	80.4	79.2	76.9	75.4
45°	102.1	89.2	79.2	74.6	72.3	72.1	71.4	71.4	71.1	70.2	68.4
47.5°	91.0	79.4	71.6	68.9	68.4	67.9	67.2	66.8	66.6	65.8	64.9
50°	80.9	71.1	66.1	64.9	65.1	64.4	63.6	62.8	62.6	61.9	60.8
52.5°	71.6	64.6	61.3	60.6	60.6	60.6	60.1	60.1	59.6	59.3	58.3
55°	66.3	61.0	59.3	59.1	58.9	58.5	58.0	58.0	57.5	57.3	56.1
57.5°	61.9	58.5	57.5	57.1	56.8	56.3	56.1	56.1	56.1	56.1	54.5
60°	58.3	56.8	56.6	56.1	55.8	54.8	54.3	54.0	54.3	54.5	53.1
62.5°	54.5	54.3	54.0	53.6	53.3	52.2	51.5	51.0	51.5	52.0	51.8
63°	53.6	53.3	53.3	53.1	52.7	51.5	50.8	50.3	50.8	51.3	51.3
65°	50.1	50.3	50.3	50.1	49.7	49.0	48.0	47.5	47.8	48.5	48.8
67.5°	46.2	46.5	46.2	46.5	46.2	45.7	45.0	44.5	44.2	44.5	44.8
70°	42.7	43.2	43.0	42.7	42.5	42.5	42.0	41.2	40.9	40.7	40.7
72.5°	39.7	39.7	39.2	39.2	39.0	39.0	38.4	37.7	37.4	37.4	37.0
75°	36.5	36.5	35.6	35.6	35.2	35.4	34.9	34.2	33.9	33.9	33.7
77.5°	34.4	33.7	32.4	32.1	31.9	31.9	31.7	30.9	30.7	30.7	30.4
80°	30.4	28.9	27.7	27.4	27.7	28.2	28.2	27.7	27.7	27.7	27.7
82.5°	23.6	23.1	22.4	21.9	21.9	22.6	23.6	24.1	24.7	25.2	25.2
85°	17.3	17.6	17.3	16.6	16.4	17.1	18.1	19.1	19.4	20.3	20.1
87.5°	9.3	9.5	8.8	8.5	9.3	9.8	10.8	11.1	11.6	11.8	12.0
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: P152714

CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	267.2	266.9	267.2	266.6	266.6	266.1	265.7	265.4	264.9	264.7	264.1
5°	271.7	271.0	270.2	269.9	268.9	267.9	267.2	265.9	264.9	263.1	262.6
7.5°	274.7	273.0	271.9	271.7	270.2	269.4	267.7	266.1	264.7	262.4	261.7
10°	276.0	274.2	272.4	271.7	269.9	268.7	266.9	264.7	263.4	261.1	260.6
12.5°	277.5	274.2	271.4	269.4	266.9	264.1	262.4	261.1	259.4	258.1	257.6
15°	274.7	270.5	266.1	262.4	258.3	255.3	253.6	251.6	249.5	248.8	248.8
17.5°	267.2	261.7	254.3	249.5	245.3	242.1	239.8	237.7	237.5	236.5	237.0
20°	251.6	244.2	237.3	233.8	231.2	229.2	226.9	225.9	225.2	223.7	223.2
22.5°	229.9	223.9	218.9	216.4	214.4	211.9	209.8	206.8	206.1	204.6	203.8
25°	206.1	201.3	197.0	195.2	194.0	190.5	189.2	185.2	182.5	180.7	181.8
27.5°	182.2	178.7	174.7	172.4	171.7	168.4	167.2	162.6	160.3	160.3	157.8
30°	157.6	154.3	151.8	149.3	148.8	144.8	141.5	139.7	137.2	136.3	134.5
32.5°	134.5	131.2	129.2	128.0	125.9	122.7	119.4	116.4	112.3	110.9	110.1
35°	113.1	110.6	108.1	107.0	104.4	100.8	96.8	94.3	89.4	87.7	86.9
37.5°	96.8	93.8	92.0	89.2	86.4	82.7	79.7	77.4	75.6	74.9	74.9
40°	83.7	81.5	79.4	77.2	74.9	72.8	71.4	70.9	70.7	70.7	71.1
42.5°	73.9	71.9	70.9	69.6	68.9	68.9	68.6	68.9	69.1	69.3	70.2
45°	67.4	66.1	65.6	65.4	65.8	66.3	66.6	67.2	68.1	68.6	68.9
47.5°	63.8	62.8	62.6	62.8	63.6	64.6	65.6	66.3	67.2	67.4	67.6
50°	60.3	59.1	58.5	59.1	60.1	61.6	62.3	63.6	64.0	64.6	64.0
52.5°	57.3	56.3	56.1	56.1	57.1	58.0	59.1	60.1	60.3	60.3	60.1
55°	54.8	54.0	53.3	53.8	54.5	55.5	57.1	57.8	58.3	58.5	58.5
57.5°	52.7	52.0	51.3	51.8	52.5	53.6	55.0	55.8	56.3	57.1	57.3
60°	51.3	50.3	49.5	50.3	51.0	52.5	53.8	54.5	55.8	56.1	56.1
62.5°	49.7	48.8	47.5	48.3	48.3	49.0	50.3	51.3	52.5	53.1	53.1
63°	49.5	48.5	47.3	47.8	47.8	48.3	49.2	50.3	51.8	52.2	52.0
65°	47.5	47.3	46.0	46.0	45.5	46.0	46.7	47.8	48.5	49.2	49.2
67.5°	44.2	43.9	43.7	43.7	43.7	44.2	44.8	45.5	46.2	46.7	46.5
70°	40.4	40.4	40.4	40.7	40.7	41.2	41.5	41.2	42.0	42.5	42.2
72.5°	37.2	37.0	36.7	37.2	37.0	37.0	37.4	37.2	37.9	37.9	38.2
75°	33.7	33.5	33.5	33.7	33.2	32.6	33.0	33.0	33.2	33.2	33.7
77.5°	30.7	30.7	30.7	30.4	29.9	29.6	29.4	29.4	29.4	29.4	29.6
80°	27.9	27.9	27.9	27.7	27.2	26.6	26.1	25.9	25.6	24.4	24.4
82.5°	25.2	25.2	25.2	25.2	24.9	24.4	23.6	21.7	20.6	19.6	19.9
85°	19.9	20.3	20.8	21.7	21.3	21.3	19.9	17.3	15.9	14.8	15.1
87.5°	12.8	11.3	11.3	11.1	10.6	10.1	10.1	8.5	7.0	6.3	6.5
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: P152714
CATALOG NUMBER: VXS-F01-LED-E1-SLL-7030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	0°
2.5°	264.1	263.6	263.1	263.1	262.4	262.4	261.9	262.9	261.9	261.1	261.1	2.5°
5°	262.2	261.7	260.1	259.9	258.9	258.9	258.9	258.3	258.3	257.8	257.6	5°
7.5°	260.9	259.6	258.3	257.6	257.6	257.1	258.1	257.6	257.8	257.8	258.1	7.5°
10°	259.9	258.9	258.3	258.1	258.1	258.9	259.6	259.9	259.6	259.9	259.9	10°
12.5°	257.4	257.8	258.1	259.2	260.4	261.9	263.6	263.9	264.4	264.4	264.9	12.5°
15°	249.3	250.6	252.1	254.6	257.8	261.1	264.4	267.2	269.6	271.0	271.9	15°
17.5°	238.0	239.3	242.1	244.8	249.1	253.9	259.4	264.1	269.4	274.2	279.0	17.5°
20°	222.7	224.7	225.5	230.5	235.5	242.1	248.6	256.1	265.2	274.2	283.5	20°
22.5°	202.8	205.1	208.6	212.6	217.9	225.9	233.8	245.6	257.6	270.5	285.0	22.5°
25°	180.7	183.2	186.2	190.5	195.8	204.4	215.6	228.2	243.0	259.9	277.9	25°
27.5°	157.8	160.3	162.9	165.9	171.9	180.9	194.3	207.4	223.7	242.1	263.1	27.5°
30°	134.9	135.2	136.7	140.5	146.7	158.5	168.4	184.8	201.9	221.1	245.6	30°
32.5°	109.8	109.5	111.3	114.6	120.6	131.9	144.0	159.9	176.7	201.0	226.2	32.5°
35°	87.5	87.5	90.8	94.0	100.8	108.8	119.4	133.5	153.3	176.0	201.0	35°
37.5°	75.6	77.4	79.4	82.7	88.0	94.3	103.5	115.9	131.4	153.1	176.2	37.5°
40°	71.9	72.8	74.6	77.6	82.2	88.0	94.7	104.0	116.2	133.5	154.6	40°
42.5°	70.4	70.7	71.6	73.9	77.9	83.7	90.8	99.1	108.1	120.4	138.8	42.5°
45°	68.9	68.6	69.1	70.9	74.1	80.7	88.7	97.7	106.8	117.1	132.2	45°
47.5°	67.6	67.6	67.6	68.4	71.4	77.9	87.3	97.7	108.6	120.1	134.9	47.5°
50°	64.0	63.8	63.8	64.4	66.6	73.7	84.7	97.5	111.6	126.6	143.5	50°
52.5°	60.1	60.1	60.3	60.6	62.6	69.6	82.0	97.5	115.1	135.2	156.4	52.5°
55°	58.9	59.1	59.3	59.1	60.6	66.6	79.0	96.0	116.6	142.0	170.2	55°
57.5°	57.8	58.3	58.3	58.0	59.1	64.0	75.9	93.0	115.3	144.6	180.0	57.5°
60°	56.3	56.3	56.3	55.5	56.1	60.6	71.4	88.2	111.3	142.3	181.5	60°
62.5°	53.1	53.1	52.5	52.2	52.0	55.5	65.4	81.1	104.0	136.3	177.7	62.5°
63°	52.2	52.0	52.0	51.3	51.3	54.5	64.0	80.2	102.1	134.7	176.2	63°
65°	49.5	49.5	49.5	49.0	48.8	51.3	59.1	73.2	94.3	127.7	168.6	65°
67.5°	46.5	46.7	46.2	46.0	45.7	47.3	53.3	64.4	82.2	112.8	154.6	67.5°
70°	42.2	42.5	42.5	42.2	42.0	43.0	46.7	55.3	68.1	94.0	131.7	70°
72.5°	38.4	39.0	39.0	39.5	39.5	40.2	41.8	46.0	54.5	73.4	103.5	72.5°
75°	34.4	34.7	35.2	35.6	35.2	34.9	35.2	38.4	42.7	54.3	73.9	75°
77.5°	30.9	31.7	31.7	31.4	30.7	30.2	30.2	31.7	35.2	41.2	52.7	77.5°
80°	25.6	26.9	27.2	26.4	25.6	25.6	26.1	27.2	29.4	33.9	40.0	80°
82.5°	20.6	21.9	22.1	22.4	22.1	22.9	22.9	23.1	24.4	27.9	32.6	82.5°
85°	15.9	16.8	17.6	17.8	18.1	18.3	18.1	16.8	17.6	19.9	22.1	85°
87.5°	7.0	7.3	6.7	7.0	6.7	7.0	7.3	6.0	5.8	7.8	8.1	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: P152714

NUMBER: VXS-F01-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
263.6	263.6	263.6	263.6	263.6	263.6	263.6
260.9	260.9	261.1	260.6	260.6	260.9	260.1
256.9	257.8	257.8	257.8	257.4	257.8	258.1
257.8	258.7	259.2	259.2	258.9	259.9	260.6
259.2	260.4	260.9	260.9	260.9	262.2	263.9
263.9	264.9	265.7	265.7	266.1	267.7	269.6
272.7	274.0	274.0	273.7	275.2	277.0	279.3
282.5	286.0	287.8	287.6	288.8	291.1	293.6
291.8	301.6	305.9	308.9	310.2	313.2	313.9
299.6	316.0	327.8	337.8	342.6	345.6	349.1
296.8	319.0	340.0	360.6	375.2	390.1	396.4
285.5	313.2	340.8	371.0	397.3	423.7	442.8
271.7	304.9	342.1	384.8	426.5	466.9	499.2
255.9	297.1	344.9	397.6	452.4	505.4	551.9
236.0	282.3	338.0	398.9	463.4	527.8	588.1
210.9	262.2	322.2	389.8	463.9	537.6	609.7
185.7	236.8	302.1	376.8	457.4	539.9	623.3
168.2	214.1	281.8	360.2	446.8	536.4	629.8
156.1	197.8	263.6	345.1	435.5	530.1	630.9
155.0	190.8	251.8	334.0	426.5	524.6	630.9
163.6	194.5	247.8	328.5	422.7	522.8	631.3
179.7	209.6	255.1	332.7	425.8	525.1	633.6
199.1	232.4	274.7	347.6	438.5	532.5	638.7
216.7	258.9	308.1	376.3	462.0	551.7	652.7
226.9	281.5	343.5	416.5	501.9	589.6	680.8
228.2	294.1	375.0	460.2	550.5	633.1	725.8
227.3	295.0	379.0	468.5	560.7	643.9	741.5
221.7	295.3	390.4	497.6	596.4	689.4	784.9
207.6	287.3	394.3	520.5	641.3	749.2	866.1
183.2	264.4	382.5	521.0	658.8	782.7	917.4
147.3	220.9	331.5	474.0	613.0	749.7	904.0
107.8	162.4	250.6	367.2	500.1	624.0	774.3
71.6	105.1	168.9	261.7	358.7	449.1	557.4
49.2	65.1	98.8	157.3	219.4	263.4	355.1
36.2	43.0	54.8	80.4	105.6	129.9	185.5
22.6	24.7	27.4	39.7	56.8	76.7	115.6
6.0	6.3	5.8	7.8	12.3	11.8	13.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)