

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: P153373

Luminaire Tested: **VWM-F04-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153373
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: VWM-F04-LED-E1-SLR-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.5 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

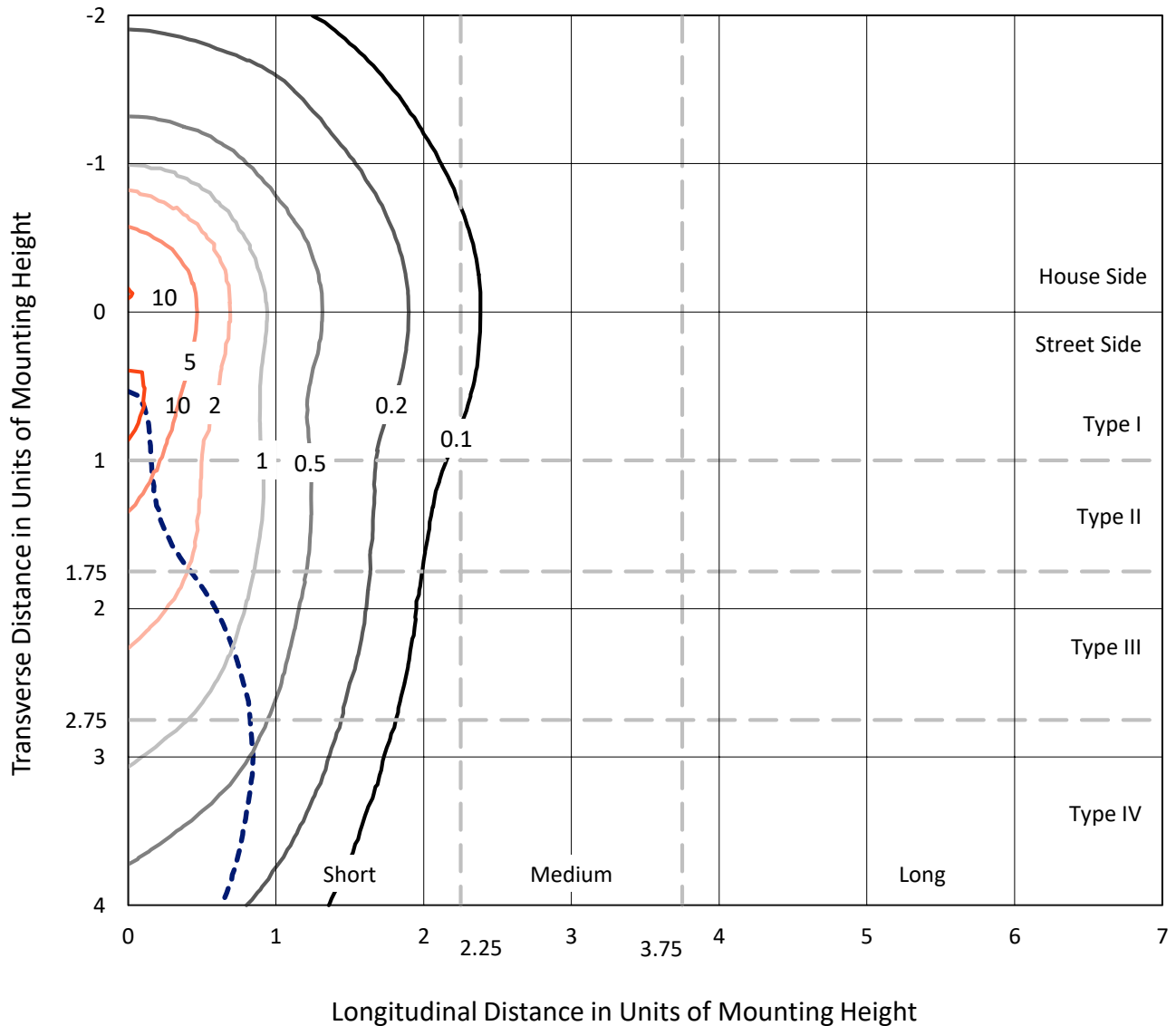
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

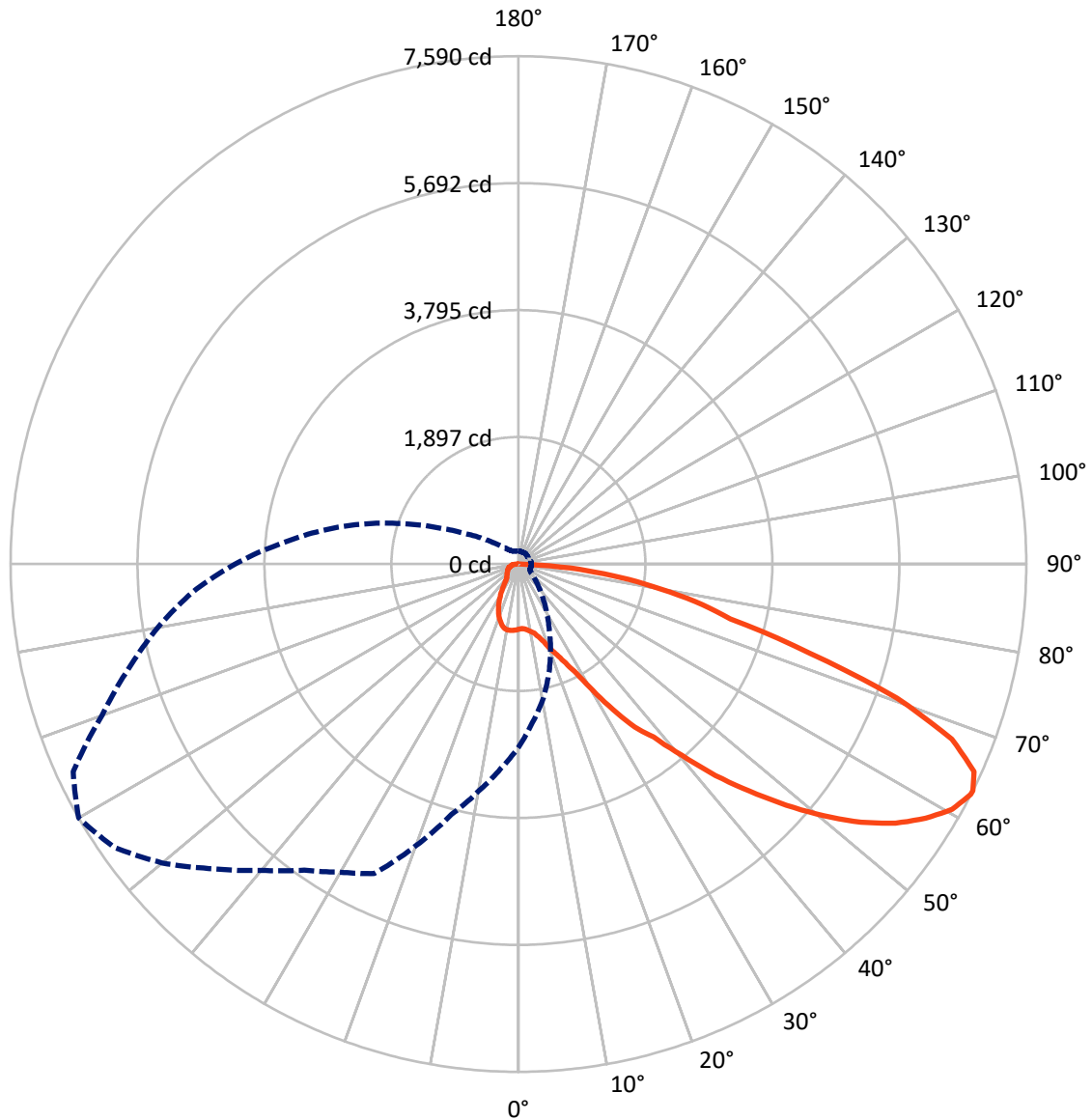
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1681.5	0.0	1681.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6073.0	0.0	6073.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	7754.5	0.0	7754.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.2
10°-20°	295.4	3.8
20°-30°	524.9	6.8
30°-40°	826.5	10.7
40°-50°	1216.4	15.7
50°-60°	1615.7	20.8
60°-70°	1779.7	23.0
70°-80°	1116.6	14.4
80°-90°	284.4	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°	7754.5	100.0
0°-180°	7754.5	100.0

Coefficient of Utilization



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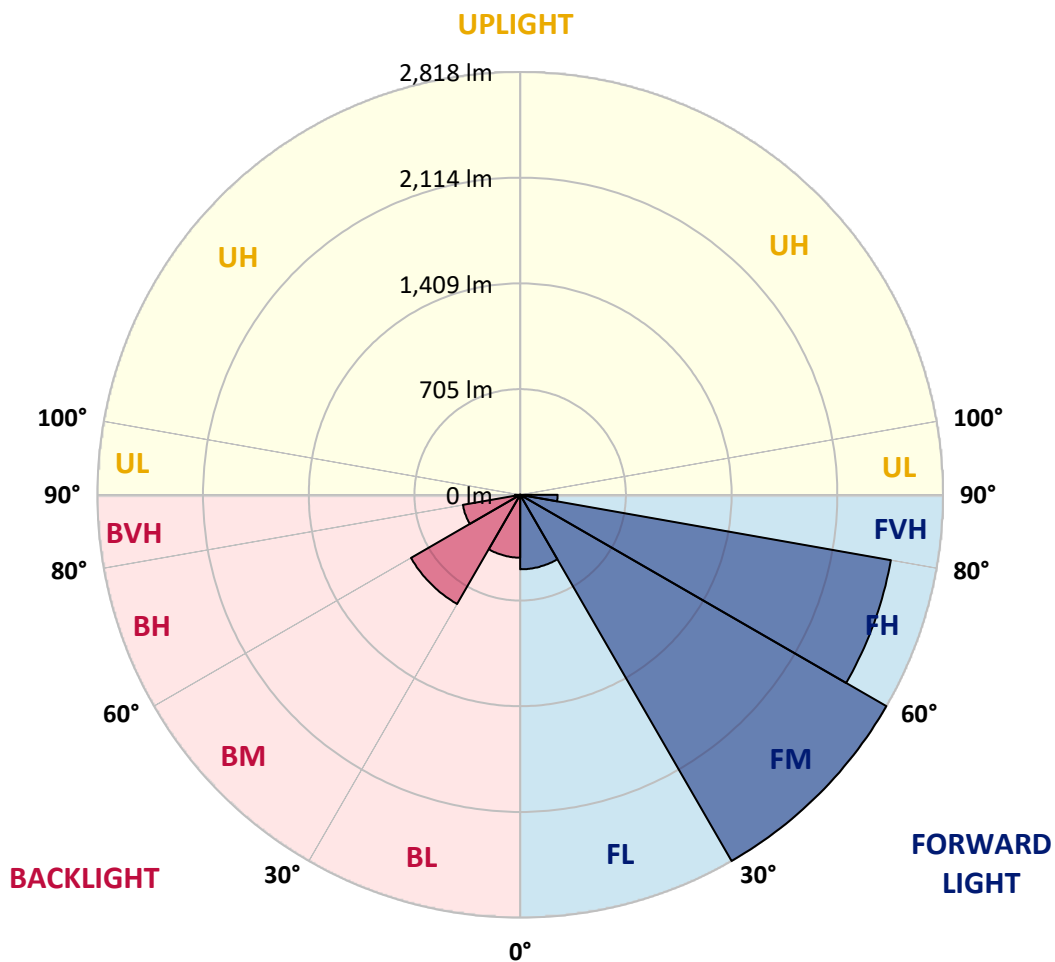
CATALOG NUMBER: VWM-F04-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.5	6.4			
FM (30°-60°)	2818.2	36.3			
FH (60°-80°)	2508.7	32.4			G2/5000
FVH (80°-90°)	249.6	3.2			G3/500
BL (0°-30°)	418.6	5.4	B1/500		
BM (30°-60°)	840.5	10.8	B1/1000		
BH (60°-80°)	387.6	5.0	B1/500		G1/500
BVH (80°-90°)	34.8	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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	961.5	964.3	963.4	963.4	965.2	964.3	964.3	965.2	965.2	968.0	971.7
5°	954.1	953.1	951.3	953.1	953.1	953.1	949.4	952.2	953.1	955.0	955.0
7.5°	963.4	960.6	956.9	957.8	957.8	955.9	953.1	954.1	953.1	953.1	952.2
10°	975.4	968.9	964.3	964.3	964.3	962.4	957.8	960.6	960.6	959.6	960.6
12.5°	996.8	989.4	983.8	981.9	981.9	979.1	975.4	979.1	977.3	977.3	975.4
15°	1032.1	1023.7	1017.2	1011.7	1012.6	1012.6	1007.9	1005.2	1001.4	996.8	987.5
17.5°	1085.0	1075.8	1067.4	1062.8	1063.7	1057.2	1044.2	1031.2	1013.5	995.9	976.4
20°	1160.3	1157.5	1146.4	1141.7	1130.6	1114.8	1078.5	1047.9	1013.5	980.1	946.6
22.5°	1290.4	1277.3	1266.2	1248.6	1211.4	1167.7	1107.3	1053.5	999.6	952.2	907.6
25°	1465.0	1441.8	1387.0	1333.1	1256.9	1178.9	1097.1	1027.5	960.6	898.3	843.5
27.5°	1636.9	1566.3	1468.7	1371.2	1259.7	1157.5	1055.3	972.6	894.6	826.8	766.4
30°	1845.0	1726.0	1576.5	1422.3	1264.3	1126.9	1004.2	907.6	817.5	746.0	682.8
32.5°	2040.0	1868.2	1672.2	1469.6	1274.6	1098.1	945.7	836.1	743.2	653.1	590.8
35°	2173.8	1950.9	1713.0	1474.3	1249.5	1043.2	872.3	743.2	650.3	566.7	493.3
37.5°	2253.7	1987.1	1714.9	1440.8	1191.0	968.9	779.4	651.2	565.7	485.9	428.3
40°	2303.9	1995.5	1690.7	1392.5	1116.6	875.1	686.5	571.3	493.3	429.2	384.6
42.5°	2328.0	1982.4	1651.7	1331.2	1041.4	791.5	621.5	512.8	445.0	399.5	366.0
45°	2331.7	1959.2	1609.9	1275.5	974.5	731.1	576.9	488.6	432.9	394.8	361.4
47.5°	2331.7	1938.8	1576.5	1234.6	930.8	705.1	573.2	498.9	444.1	401.3	361.4
50°	2333.6	1932.3	1562.5	1214.2	916.0	719.0	604.8	530.4	468.2	412.5	360.4
52.5°	2342.0	1940.6	1573.7	1230.0	942.9	774.8	664.2	577.8	499.8	425.5	360.4
55°	2360.5	1968.5	1621.1	1284.8	1015.4	859.3	735.8	628.9	524.9	431.0	354.9
57.5°	2412.6	2039.1	1707.5	1390.7	1138.9	956.9	800.8	665.2	534.2	426.4	343.7
60°	2516.6	2179.4	1855.2	1539.3	1269.9	1040.5	838.9	670.7	525.8	411.5	326.1
62.5°	2682.9	2340.1	2034.5	1701.0	1386.0	1086.9	843.5	656.8	503.5	384.6	300.1
63°	2740.5	2380.0	2072.6	1731.6	1400.9	1090.6	839.8	651.2	497.9	377.2	296.3
65°	2901.2	2548.2	2204.5	1839.4	1442.7	1091.6	819.4	623.3	471.9	348.4	270.3
67.5°	3201.3	2769.3	2370.8	1923.9	1457.6	1061.8	767.3	571.3	417.1	303.8	237.8
70°	3390.8	2892.8	2434.9	1925.8	1413.9	977.3	677.2	486.8	347.4	251.8	204.4
72.5°	3341.5	2771.1	2265.8	1752.1	1225.3	816.6	544.4	382.7	271.3	201.6	170.0
75°	2862.2	2306.7	1848.7	1357.2	926.2	600.1	398.5	273.1	200.7	157.9	142.1
77.5°	2060.5	1660.1	1325.7	967.1	624.3	388.3	264.8	195.1	152.4	130.1	117.1
80°	1312.6	973.6	811.0	581.5	365.1	240.6	182.1	147.7	125.4	108.7	100.3
82.5°	685.6	480.3	390.2	297.3	202.5	158.9	133.8	120.8	103.1	90.1	85.5
85°	427.3	283.3	209.9	146.8	101.3	91.0	83.6	81.8	73.4	65.0	62.2
87.5°	48.3	43.7	45.5	28.8	21.4	23.2	22.3	29.7	28.8	21.4	22.3
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	968.0	969.9	969.9	972.6	972.6	974.5	976.4	976.4	978.2	979.1	981.0
5°	956.9	956.9	956.9	960.6	961.5	967.1	968.9	970.8	972.6	979.1	982.9
7.5°	954.1	950.3	952.2	952.2	955.0	959.6	964.3	967.1	969.9	978.2	983.8
10°	959.6	956.9	954.1	954.1	955.0	956.9	960.6	963.4	965.2	973.6	978.2
12.5°	974.5	968.0	962.4	957.8	954.1	953.1	951.3	952.2	954.1	958.7	965.2
15°	977.3	965.2	953.1	941.1	931.8	926.2	921.5	919.7	919.7	922.5	929.9
17.5°	958.7	938.3	920.6	904.8	894.6	884.4	879.7	876.0	874.2	877.9	878.8
20°	918.8	894.6	870.5	851.9	833.3	830.5	823.1	824.9	826.8	832.4	835.2
22.5°	864.0	835.2	805.4	785.9	771.1	758.0	749.7	753.4	756.2	761.8	764.6
25°	797.1	755.3	723.7	704.2	688.4	677.2	667.9	671.7	667.9	674.4	684.7
27.5°	718.1	668.9	635.4	613.1	602.0	592.7	583.4	583.4	592.7	592.7	601.1
30°	622.4	586.2	542.5	519.3	505.4	499.8	498.9	497.0	503.5	507.2	516.5
32.5°	532.3	487.7	445.9	423.6	411.5	405.0	406.0	406.9	409.7	415.3	430.1
35°	441.3	402.2	372.5	347.4	335.4	323.3	323.3	321.4	324.2	330.7	348.4
37.5°	382.7	348.4	325.1	305.6	293.6	286.1	279.6	276.8	276.8	279.6	286.1
40°	350.2	325.1	303.8	287.1	275.9	269.4	265.7	262.9	261.0	261.0	262.0
42.5°	335.4	309.4	288.0	273.1	264.8	261.0	260.1	259.2	256.4	255.5	254.5
45°	327.9	298.2	274.0	262.0	255.5	253.6	254.5	254.5	253.6	251.8	248.0
47.5°	322.4	288.0	263.8	252.7	249.9	249.9	249.9	249.9	249.0	248.0	245.3
50°	313.1	272.2	246.2	237.8	236.0	236.0	236.9	236.9	238.7	236.9	235.0
52.5°	302.8	257.3	231.3	223.9	223.0	222.0	222.0	222.0	223.0	223.0	222.0
55°	291.7	246.2	223.9	218.3	219.2	218.3	217.4	216.5	216.5	215.5	213.7
57.5°	280.6	236.9	218.3	214.6	215.5	215.5	213.7	211.8	210.9	208.1	206.2
60°	263.8	223.9	207.2	205.3	208.1	208.1	208.1	207.2	207.2	206.2	201.6
62.5°	241.5	205.3	192.3	193.2	194.2	196.0	196.0	196.0	196.0	194.2	189.5
63°	236.9	201.6	189.5	189.5	192.3	192.3	193.2	192.3	193.2	191.4	185.8
65°	218.3	189.5	180.2	181.2	183.0	183.0	183.0	182.1	182.1	179.3	176.5
67.5°	196.9	174.6	169.1	170.0	170.9	172.8	171.9	171.9	172.8	170.9	168.1
70°	172.8	158.9	155.1	156.1	157.0	157.0	156.1	156.1	157.0	155.1	152.4
72.5°	154.2	148.6	145.8	145.8	144.0	144.0	142.1	141.2	140.3	140.3	137.5
75°	130.1	129.1	130.1	131.9	130.1	128.2	127.3	124.5	122.6	122.6	121.7
77.5°	111.5	111.5	113.3	116.1	117.1	117.1	114.3	109.6	108.7	108.7	108.7
80°	96.6	94.8	94.8	97.5	100.3	99.4	94.8	90.1	90.1	94.8	95.7
82.5°	84.5	84.5	81.8	82.7	81.8	80.8	76.2	73.4	72.5	76.2	79.9
85°	66.9	67.8	66.9	66.0	65.0	62.2	58.5	55.7	54.8	58.5	64.1
87.5°	26.9	26.0	25.1	26.0	25.1	26.9	26.0	24.2	23.2	26.0	31.6
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	981.9	983.8	985.6	985.6	987.5	986.6	987.5	988.4	988.4	989.4	989.4
5°	987.5	990.3	994.0	997.7	998.7	1001.4	1004.2	1002.4	1005.2	1008.9	1008.9
7.5°	989.4	995.9	998.7	1004.2	1005.2	1008.9	1015.4	1010.7	1016.3	1019.1	1020.0
10°	986.6	993.1	997.7	1004.2	1007.0	1013.5	1020.0	1018.2	1024.7	1029.3	1030.2
12.5°	969.9	976.4	986.6	995.9	1003.3	1013.5	1025.6	1021.9	1031.2	1036.7	1039.5
15°	937.3	943.8	955.0	969.9	983.8	999.6	1015.4	1018.2	1027.5	1034.0	1036.7
17.5°	886.2	894.6	906.7	922.5	940.1	967.1	987.5	997.7	1010.7	1014.4	1019.1
20°	838.9	847.2	854.7	864.0	877.0	903.0	929.9	950.3	967.1	981.0	984.7
22.5°	775.7	783.1	792.4	799.9	809.1	827.7	850.0	873.2	899.3	907.6	916.9
25°	699.5	704.2	717.2	721.8	728.3	744.1	761.8	778.5	803.6	821.2	825.9
27.5°	617.8	622.4	634.5	637.3	645.6	660.5	673.5	680.0	703.2	721.8	736.7
30°	523.0	535.1	550.0	551.8	561.1	570.4	582.5	589.0	610.3	629.8	648.4
32.5°	441.3	453.3	465.4	472.9	477.5	484.9	497.0	503.5	523.9	541.6	560.2
35°	357.7	372.5	385.5	395.7	399.5	408.8	418.0	424.5	445.9	461.7	474.7
37.5°	294.5	305.6	319.6	329.8	340.0	346.5	357.7	366.9	380.0	388.3	402.2
40°	263.8	269.4	276.8	285.2	293.6	301.0	309.4	316.8	325.1	336.3	345.6
42.5°	253.6	254.5	254.5	257.3	262.0	265.7	273.1	278.7	284.3	292.6	297.3
45°	246.2	245.3	243.4	241.5	242.5	244.3	249.0	252.7	259.2	262.9	263.8
47.5°	242.5	238.7	235.0	232.2	231.3	232.2	236.0	239.7	243.4	246.2	247.1
50°	230.4	227.6	222.0	218.3	216.5	218.3	223.0	224.8	228.5	231.3	232.2
52.5°	218.3	214.6	210.9	207.2	207.2	208.1	211.8	215.5	219.2	220.2	222.0
55°	210.9	205.3	201.6	198.8	196.9	199.7	202.5	207.2	211.8	212.7	214.6
57.5°	203.4	197.9	194.2	191.4	189.5	192.3	195.1	201.6	207.2	207.2	207.2
60°	198.8	194.2	188.6	185.8	183.0	185.8	189.5	196.0	201.6	200.7	199.7
62.5°	185.8	181.2	178.4	178.4	175.6	180.2	183.9	191.4	192.3	190.4	188.6
63°	182.1	178.4	176.5	176.5	174.6	179.3	183.0	189.5	189.5	187.7	185.8
65°	172.8	170.0	168.1	170.0	170.0	174.6	175.6	180.2	179.3	176.5	175.6
67.5°	165.4	163.5	161.6	161.6	161.6	162.6	163.5	165.4	164.4	163.5	164.4
70°	153.3	152.4	150.5	150.5	149.6	149.6	149.6	150.5	150.5	151.4	152.4
72.5°	138.4	136.6	136.6	137.5	135.6	136.6	137.5	136.6	138.4	138.4	139.3
75°	121.7	120.8	122.6	124.5	123.6	123.6	124.5	124.5	125.4	125.4	126.3
77.5°	108.7	109.6	110.5	112.4	113.3	113.3	113.3	112.4	113.3	113.3	114.3
80°	96.6	98.5	100.3	102.2	103.1	103.1	103.1	102.2	102.2	102.2	102.2
82.5°	87.3	90.1	92.0	92.9	92.9	92.9	92.9	92.9	92.9	91.0	89.2
85°	73.4	79.0	79.0	79.9	77.1	75.2	73.4	74.3	75.2	71.5	70.6
87.5°	37.2	37.2	39.0	40.9	41.8	41.8	47.4	44.6	43.7	42.7	40.9
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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CATALOG NUMBER: VWM-F04-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	990.3	989.4	991.2	989.4	990.3	991.2	989.4	992.2	994.0	991.2	988.4
5°	1010.7	1010.7	1015.4	1017.2	1018.2	1023.7	1020.9	1022.8	1024.7	1023.7	1024.7
7.5°	1023.7	1027.5	1032.1	1036.7	1037.7	1042.3	1041.4	1044.2	1046.0	1050.7	1050.7
10°	1034.9	1039.5	1046.0	1050.7	1055.3	1059.0	1060.9	1066.5	1067.4	1071.1	1071.1
12.5°	1045.1	1050.7	1057.2	1064.6	1069.3	1076.7	1077.6	1086.0	1088.8	1089.7	1086.9
15°	1043.2	1049.7	1057.2	1065.5	1073.9	1083.2	1088.8	1097.1	1101.8	1103.6	1099.0
17.5°	1025.6	1031.2	1040.5	1051.6	1061.8	1073.9	1084.1	1096.2	1103.6	1105.5	1104.6
20°	991.2	994.9	1007.0	1021.9	1034.0	1052.5	1067.4	1086.0	1098.1	1107.3	1110.1
22.5°	923.4	932.7	944.8	961.5	979.1	1002.4	1023.7	1050.7	1076.7	1099.0	1121.3
25°	841.7	858.4	877.0	899.3	920.6	944.8	968.9	999.6	1037.7	1084.1	1137.1
27.5°	759.0	787.8	811.0	839.8	864.9	889.0	916.0	949.4	991.2	1047.0	1114.8
30°	675.4	707.9	733.0	766.4	799.9	832.4	859.3	894.6	935.5	992.2	1066.5
32.5°	586.2	618.7	648.4	679.1	716.2	755.3	787.8	831.4	875.1	933.6	1008.9
35°	494.2	523.0	548.1	580.6	621.5	663.3	706.0	756.2	803.6	864.9	944.8
37.5°	414.3	434.8	458.9	487.7	519.3	563.9	612.2	671.7	725.5	792.4	874.2
40°	348.4	359.5	373.5	397.6	426.4	470.1	517.4	580.6	645.6	719.0	798.0
42.5°	297.3	302.8	306.6	322.4	345.6	388.3	433.8	495.1	566.7	646.6	726.5
45°	263.8	266.6	267.5	275.9	292.6	329.8	377.2	429.2	497.9	576.0	659.6
47.5°	248.0	250.8	252.7	254.5	264.8	293.6	336.3	385.5	448.7	520.2	605.7
50°	235.0	237.8	240.6	239.7	244.3	262.9	299.1	344.7	404.1	470.1	554.6
52.5°	222.0	223.9	223.9	223.9	226.7	238.7	264.8	306.6	361.4	423.6	507.2
55°	214.6	216.5	217.4	218.3	219.2	225.7	245.3	278.7	326.1	383.7	458.9
57.5°	207.2	208.1	209.9	210.9	212.7	216.5	228.5	252.7	292.6	340.9	404.1
60°	200.7	202.5	206.2	207.2	209.0	209.9	215.5	230.4	256.4	293.6	344.7
62.5°	190.4	193.2	196.9	197.9	199.7	200.7	201.6	209.9	222.0	244.3	282.4
63°	187.7	190.4	195.1	196.0	196.9	196.9	197.9	203.4	214.6	234.1	262.0
65°	177.4	181.2	183.9	184.9	185.8	185.8	184.9	186.7	187.7	196.0	212.7
67.5°	166.3	169.1	170.9	171.9	170.9	171.9	170.9	169.1	167.2	169.1	176.5
70°	155.1	157.0	157.0	157.9	158.9	159.8	157.9	156.1	154.2	153.3	157.9
72.5°	142.1	144.0	144.0	144.9	144.9	146.8	146.8	145.8	145.8	146.8	147.7
75°	129.1	131.0	130.1	131.9	131.9	134.7	134.7	135.6	137.5	136.6	135.6
77.5°	117.1	118.0	118.0	118.9	119.8	124.5	127.3	128.2	128.2	126.3	124.5
80°	104.0	104.0	102.2	101.3	102.2	106.8	112.4	113.3	116.1	115.2	116.1
82.5°	87.3	83.6	80.8	80.8	82.7	85.5	87.3	89.2	91.0	91.0	92.9
85°	66.9	63.2	60.4	61.3	64.1	65.0	64.1	64.1	67.8	70.6	67.8
87.5°	39.9	36.2	34.4	31.6	32.5	35.3	34.4	31.6	32.5	26.0	24.2
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°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5
2.5°	990.3	989.4	987.5	984.7	983.8	981.9	982.9	980.1	978.2	976.4	973.6
5°	1024.7	1024.7	1019.1	1019.1	1016.3	1015.4	1008.9	1006.1	1000.5	1002.4	995.9
7.5°	1048.8	1051.6	1045.1	1044.2	1040.5	1039.5	1031.2	1028.4	1023.7	1021.9	1016.3
10°	1066.5	1066.5	1058.1	1051.6	1047.0	1042.3	1034.0	1030.2	1026.5	1027.5	1023.7
12.5°	1080.4	1073.9	1061.8	1052.5	1046.0	1041.4	1034.9	1032.1	1031.2	1037.7	1038.6
15°	1091.6	1082.3	1067.4	1060.9	1055.3	1054.4	1054.4	1057.2	1063.7	1075.8	1085.0
17.5°	1098.1	1092.5	1085.0	1083.2	1092.5	1098.1	1105.5	1113.8	1123.1	1139.9	1150.1
20°	1110.1	1113.8	1119.4	1126.9	1141.7	1155.7	1164.9	1177.0	1188.2	1208.6	1225.3
22.5°	1141.7	1163.1	1180.7	1195.6	1217.9	1237.4	1249.5	1266.2	1274.6	1288.5	1314.5
25°	1182.6	1226.3	1263.4	1295.0	1329.4	1349.8	1366.5	1387.9	1400.9	1424.1	1447.4
27.5°	1170.5	1232.8	1288.5	1347.0	1394.4	1447.4	1484.5	1519.8	1542.1	1576.5	1607.1
30°	1133.4	1207.7	1282.9	1360.0	1435.3	1511.5	1582.1	1646.2	1695.4	1744.6	1794.8
32.5°	1083.2	1168.7	1260.6	1355.4	1453.9	1559.8	1657.3	1753.9	1835.7	1907.2	1976.9
35°	1025.6	1122.2	1217.9	1334.9	1456.6	1591.3	1727.0	1860.7	1985.2	2111.6	2197.0
37.5°	956.9	1055.3	1162.2	1296.9	1439.9	1606.2	1779.0	1953.6	2130.2	2300.2	2447.9
40°	883.5	983.8	1096.2	1242.0	1403.7	1596.9	1812.4	2047.5	2289.9	2536.1	2732.1
42.5°	818.4	921.5	1044.2	1191.9	1367.5	1584.8	1839.4	2128.3	2424.6	2729.3	3017.3
45°	755.3	868.6	997.7	1156.6	1351.7	1594.1	1879.3	2203.5	2545.4	2915.1	3266.3
47.5°	698.6	813.8	939.2	1112.9	1328.4	1598.8	1918.3	2278.8	2659.7	3060.1	3477.2
50°	647.5	759.0	882.5	1057.2	1292.2	1596.0	1953.6	2346.6	2758.1	3174.3	3639.7
52.5°	597.3	710.7	837.0	1003.3	1247.6	1580.2	1970.4	2402.3	2849.2	3289.5	3770.7
55°	548.1	659.6	786.8	952.2	1189.1	1539.3	1968.5	2438.6	2921.6	3398.2	3897.1
57.5°	490.5	596.4	720.9	895.5	1126.9	1476.2	1940.6	2455.3	2983.9	3506.0	4048.5
60°	419.0	518.4	638.2	812.9	1045.1	1395.3	1882.1	2446.0	3020.1	3585.9	4177.6
62.5°	330.7	417.1	526.7	697.7	942.9	1279.2	1772.5	2361.5	2962.5	3574.7	4238.0
63°	312.1	393.9	500.7	669.8	899.3	1247.6	1740.0	2328.0	2934.7	3551.5	4229.6
65°	250.8	303.8	389.2	540.7	752.5	1092.5	1578.3	2156.2	2785.1	3388.0	4108.9
67.5°	192.3	219.2	264.8	370.7	532.3	859.3	1278.3	1827.3	2417.2	2983.9	3719.6
70°	164.4	176.5	196.0	246.2	338.1	542.5	897.4	1362.8	1873.8	2365.2	3026.6
72.5°	149.6	155.1	165.4	186.7	232.2	325.1	572.3	887.2	1274.6	1686.1	2197.0
75°	137.5	142.1	150.5	161.6	178.4	216.5	326.1	542.5	828.7	1107.3	1482.7
77.5°	125.4	128.2	137.5	147.7	158.9	178.4	215.5	312.1	476.6	653.1	893.7
80°	115.2	113.3	119.8	136.6	147.7	158.9	170.0	202.5	271.3	357.7	483.1
82.5°	92.0	93.8	99.4	116.1	120.8	118.0	119.8	125.4	151.4	165.4	247.1
85°	62.2	57.6	56.7	58.5	58.5	55.7	55.7	54.8	60.4	68.7	118.0
87.5°	16.7	8.4	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	974.5	0°
2.5°	971.7	970.8	971.7	967.1	967.1	966.1	965.2	963.4	963.4	959.6	962.4	2.5°
5°	990.3	988.4	984.7	979.1	976.4	972.6	972.6	968.9	966.1	962.4	963.4	5°
7.5°	1011.7	1012.6	1006.1	1001.4	999.6	995.9	996.8	991.2	992.2	989.4	987.5	7.5°
10°	1023.7	1023.7	1025.6	1024.7	1026.5	1026.5	1029.3	1025.6	1023.7	1020.9	1020.9	10°
12.5°	1043.2	1047.0	1054.4	1054.4	1060.0	1061.8	1062.8	1064.6	1060.9	1059.0	1052.5	12.5°
15°	1091.6	1100.8	1107.3	1116.6	1127.8	1131.5	1131.5	1127.8	1125.9	1123.1	1111.1	15°
17.5°	1171.4	1191.9	1197.5	1212.3	1214.2	1218.8	1231.8	1224.4	1219.8	1200.2	1196.5	17.5°
20°	1253.2	1279.2	1305.2	1323.8	1333.1	1351.7	1354.5	1350.7	1332.2	1313.6	1305.2	20°
22.5°	1351.7	1390.7	1420.4	1449.2	1463.1	1472.4	1492.9	1488.2	1473.4	1445.5	1434.3	22.5°
25°	1491.0	1539.3	1570.9	1606.2	1624.8	1634.1	1654.5	1654.5	1638.7	1630.4	1629.4	25°
27.5°	1666.6	1726.0	1778.1	1790.1	1838.5	1849.6	1869.1	1869.1	1854.2	1844.0	1893.3	27.5°
30°	1861.7	1923.9	2014.0	2074.4	2132.9	2190.5	2189.6	2193.3	2211.0	2220.3	2241.6	30°
32.5°	2056.8	2133.9	2229.6	2360.5	2486.0	2592.8	2731.2	2819.5	2792.5	2717.3	2687.5	32.5°
35°	2293.7	2379.1	2495.2	2627.2	2856.6	2995.0	3061.9	3109.3	3114.9	3125.1	3146.5	35°
37.5°	2557.5	2700.5	2835.2	2984.8	3112.1	3280.2	3435.4	3559.9	3588.7	3647.2	3613.7	37.5°
40°	2891.0	3050.8	3192.0	3385.2	3556.1	3758.7	3980.7	4151.6	4220.4	4198.1	4030.8	40°
42.5°	3240.3	3438.2	3603.5	3831.1	4053.1	4320.7	4550.1	4788.9	4831.6	4659.8	4409.9	42.5°
45°	3561.7	3807.0	4012.3	4249.2	4520.4	4840.9	5147.5	5392.7	5384.4	5089.9	4755.5	45°
47.5°	3850.6	4151.6	4402.4	4710.9	5002.6	5384.4	5736.5	5917.6	5810.8	5462.4	5052.7	47.5°
50°	4089.4	4464.7	4774.0	5086.2	5456.8	5916.7	6255.8	6357.9	6151.7	5772.7	5341.6	50°
52.5°	4281.7	4752.7	5100.1	5459.6	5927.8	6411.8	6703.5	6665.4	6398.8	6009.6	5580.4	52.5°
55°	4444.2	4972.8	5387.2	5811.7	6392.3	6838.2	7032.4	6930.2	6557.7	6162.9	5743.9	55°
57.5°	4612.4	5186.5	5651.0	6143.3	6789.9	7172.7	7280.4	7070.5	6632.9	6221.4	5814.5	57.5°
60°	4780.5	5364.9	5884.2	6433.2	7090.9	7445.8	7416.1	7102.1	6610.6	6178.7	5767.1	60°
62.5°	4893.9	5470.8	6019.8	6611.6	7316.7	7585.1	7403.0	6989.7	6481.5	6010.5	5625.9	62.5°
63°	4896.7	5474.5	6028.2	6623.6	7341.7	7589.8	7378.0	6949.7	6440.6	5976.1	5584.1	63°
65°	4838.1	5404.8	5953.8	6568.8	7320.4	7482.9	7161.5	6713.7	6207.4	5738.3	5366.7	65°
67.5°	4539.0	5116.8	5601.8	6181.4	6937.6	6984.1	6581.8	6220.5	5765.3	5279.4	4891.1	67.5°
70°	3936.1	4416.4	4892.0	5376.0	6010.5	6002.1	5624.0	5440.1	5041.6	4487.9	4176.7	70°
72.5°	3130.7	3561.7	3896.1	4220.4	4638.4	4553.9	4310.5	4361.6	4103.3	3689.9	3505.0	72.5°
75°	2324.3	2798.1	2961.6	3093.5	3270.0	3270.9	3337.8	3482.7	3479.0	3249.6	3016.4	75°
77.5°	1524.5	2042.8	2097.6	2203.5	2415.3	2703.3	3000.6	3320.2	3400.1	3218.9	2874.3	77.5°
80°	850.0	1388.8	1325.7	1416.7	1645.2	2036.3	2474.8	2827.8	3035.9	2934.7	2569.6	80°
82.5°	434.8	800.8	765.5	891.8	1076.7	1416.7	1706.5	1977.8	2223.1	2209.1	2070.7	82.5°
85°	225.7	438.5	498.9	564.8	657.7	779.4	889.0	968.0	1070.2	1250.4	1311.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	66.9	48.3	132.8	189.5	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°
974.5	974.5	974.5	974.5	974.5	974.5	974.5
963.4	964.3	962.4	962.4	963.4	963.4	961.5
961.5	961.5	959.6	957.8	955.9	955.9	954.1
982.9	982.9	976.4	973.6	968.9	965.2	963.4
1014.4	1008.9	1001.4	995.9	988.4	980.1	975.4
1046.0	1037.7	1028.4	1020.0	1010.7	1001.4	996.8
1098.1	1086.9	1074.8	1064.6	1051.6	1037.7	1032.1
1177.9	1160.3	1144.5	1129.6	1106.4	1096.2	1085.0
1283.9	1257.8	1237.4	1212.3	1183.5	1174.2	1160.3
1412.1	1389.8	1348.9	1330.3	1301.5	1287.6	1290.4
1607.1	1578.3	1531.0	1513.3	1510.5	1479.9	1465.0
1861.7	1863.5	1819.9	1772.5	1746.5	1698.2	1636.9
2224.0	2198.9	2147.8	2099.5	2038.2	1947.1	1845.0
2662.5	2606.7	2522.2	2432.1	2323.4	2183.1	2040.0
3090.7	2993.2	2858.5	2708.0	2551.0	2376.3	2173.8
3467.0	3315.5	3113.9	2941.2	2719.1	2500.8	2253.7
3810.7	3623.0	3362.9	3139.0	2877.1	2596.5	2303.9
4143.3	3905.4	3586.8	3283.9	2987.6	2660.6	2328.0
4460.0	4153.5	3775.4	3414.9	3068.4	2702.4	2331.7
4703.4	4369.0	3944.5	3509.7	3124.2	2734.0	2331.7
4929.2	4551.1	4073.6	3584.0	3176.2	2755.4	2333.6
5104.7	4679.3	4157.2	3637.0	3217.1	2771.1	2342.0
5232.0	4762.9	4212.9	3669.5	3246.8	2793.4	2360.5
5321.2	4817.7	4243.6	3698.3	3283.0	2832.5	2412.6
5363.9	4919.0	4294.7	3755.9	3345.3	2915.1	2516.6
5331.4	5076.0	4440.5	3853.4	3431.7	3044.3	2682.9
5317.5	5104.7	4480.5	3874.8	3451.2	3072.1	2740.5
5208.8	5133.5	4644.9	3982.5	3544.1	3195.7	2901.2
4871.6	5020.2	4783.3	4164.6	3743.8	3495.8	3201.3
4435.0	4852.1	4758.2	4187.8	3871.1	3741.9	3390.8
3911.9	4343.9	4256.6	3878.5	3730.8	3744.7	3341.5
3078.6	3402.9	3345.3	3212.4	3242.1	3344.3	2862.2
2466.4	2422.8	2289.9	2299.2	2471.1	2590.9	2060.5
2015.0	1631.3	1458.5	1463.1	1763.2	1887.7	1312.6
1917.4	1543.0	1256.9	1098.1	1282.9	1235.5	685.6
1365.6	1368.4	1135.2	922.5	893.7	759.9	427.3
323.3	259.2	184.9	137.5	144.9	95.7	48.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)