

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: P141614

Luminaire Tested: **EMM-F04-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141614
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-F04-LED-E1-SLR-7030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7888.4 lumens
Efficiency: N/A
Efficacy: 77.2 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

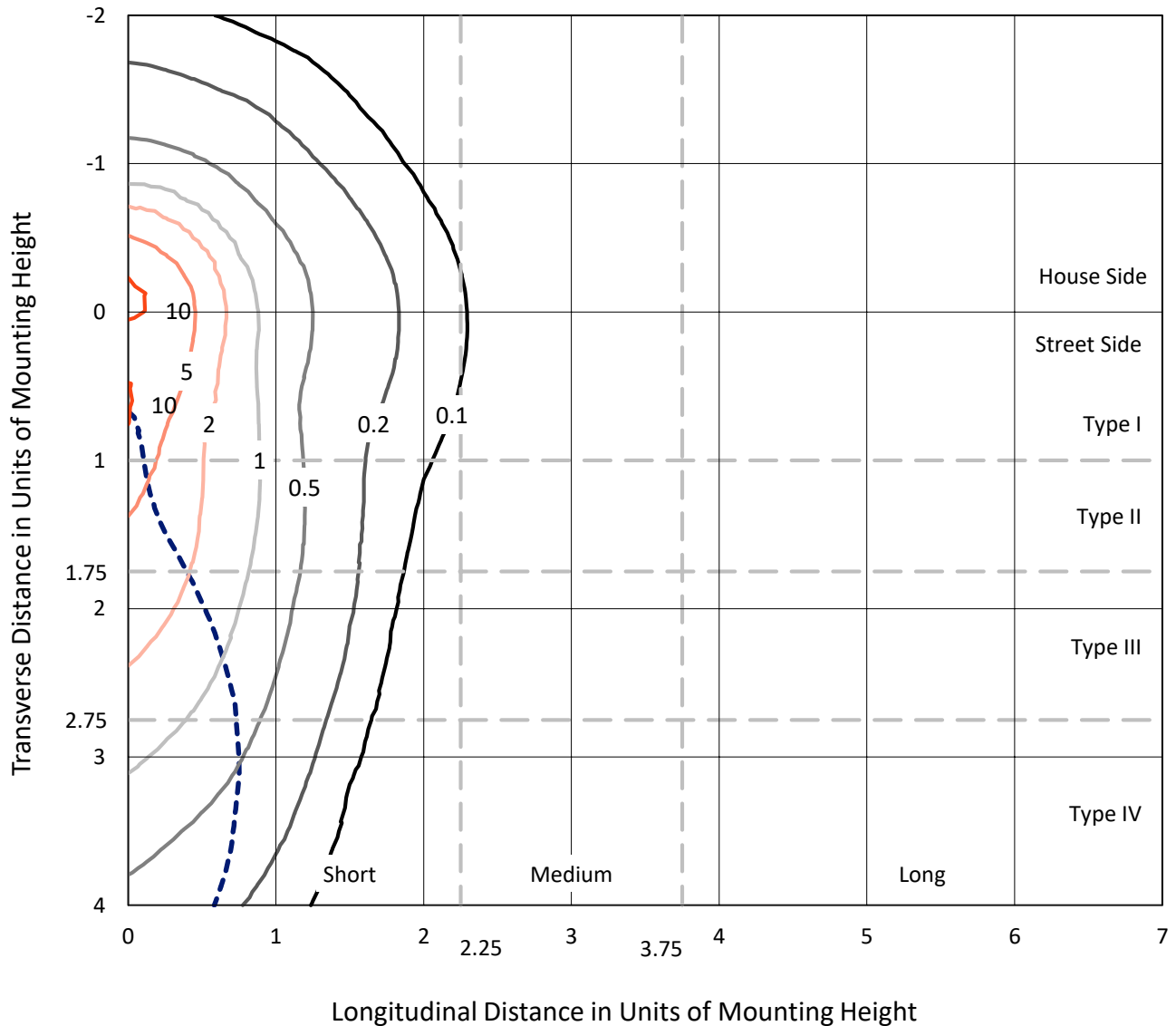
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

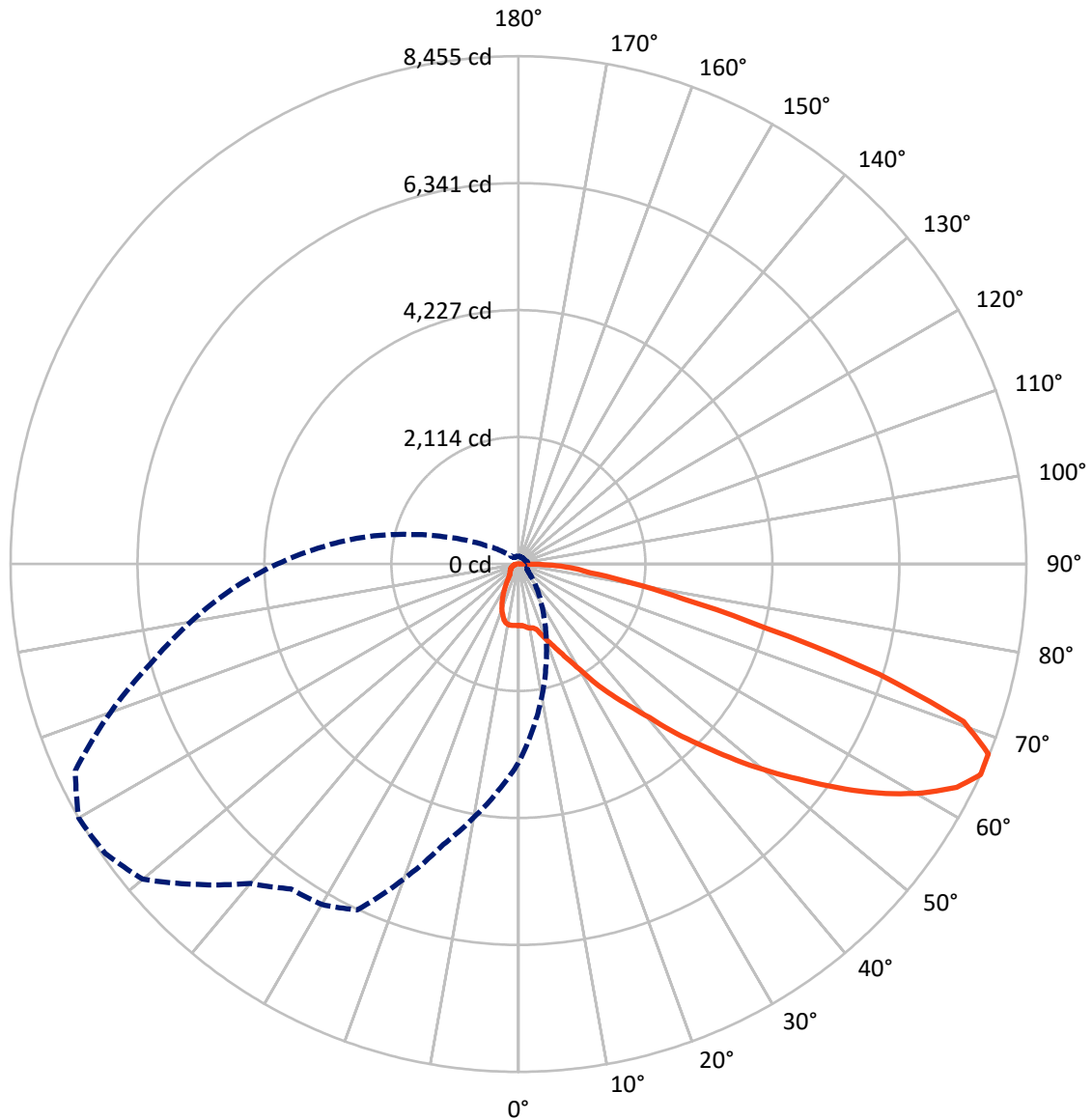
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1463.1	0.0	1463.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6425.3	0.0	6425.3
	% Fixture	81.5	0.0	81.5
Total	Lumens	7888.4	0.0	7888.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.3
10°-20°	298.0	3.8
20°-30°	495.0	6.3
30°-40°	723.7	9.2
40°-50°	1100.8	14.0
50°-60°	1582.3	20.1
60°-70°	1945.5	24.7
70°-80°	1301.5	16.5
80°-90°	342.4	4.3
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°	7888.4	100.0
0°-180°	7888.4	100.0



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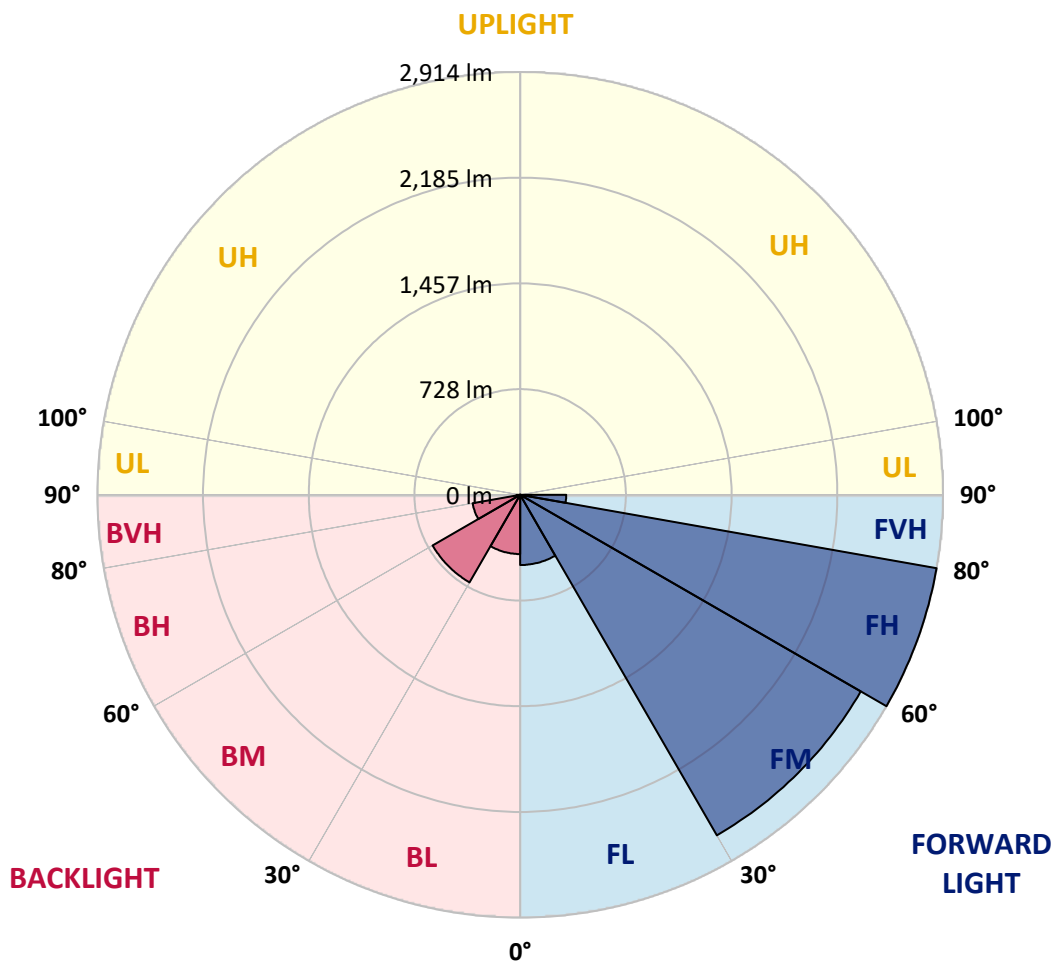
CATALOG NUMBER: EMM-F04-LED-E1-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.9	6.1			
FM	(30°-60°)	2709.9	34.4			
FH	(60°-80°)	2913.9	36.9			G2/5000
FVH	(80°-90°)	317.5	4.0			G3/500
BL	(0°-30°)	408.3	5.2	B1/500		
BM	(30°-60°)	696.9	8.8	B1/1000		
BH	(60°-80°)	333.0	4.2	B1/500		G1/500
BVH	(80°-90°)	24.9	0.3			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°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1026.4	1029.5	1029.5	1027.4	1026.4	1027.4	1028.4	1027.4	1028.4	1030.5	1029.5
5°	1013.4	1015.4	1016.4	1016.4	1016.4	1018.4	1021.4	1020.4	1023.4	1025.4	1025.4
7.5°	982.2	986.2	986.2	987.2	989.2	992.3	997.3	999.3	1004.3	1011.4	1013.4
10°	963.1	964.1	961.1	960.1	962.1	968.1	971.1	976.2	984.2	992.3	1000.3
12.5°	968.1	969.1	964.1	965.1	965.1	968.1	977.2	981.2	984.2	989.2	997.3
15°	1009.3	1009.3	1003.3	1005.3	1006.3	1010.4	1010.4	1003.3	1001.3	996.3	992.3
17.5°	1064.6	1056.6	1055.6	1054.6	1058.6	1054.6	1045.5	1029.5	1010.4	990.2	974.2
20°	1121.9	1122.9	1116.9	1115.9	1104.9	1090.8	1064.6	1032.5	998.3	967.1	935.0
22.5°	1207.4	1209.4	1198.3	1176.2	1152.1	1114.9	1067.7	1018.4	969.1	925.9	888.7
25°	1337.1	1316.0	1290.8	1244.6	1183.3	1117.9	1052.6	991.3	926.9	869.6	822.4
27.5°	1465.8	1423.5	1356.2	1280.8	1194.3	1109.9	1032.5	950.0	873.6	804.3	750.0
30°	1585.4	1507.0	1410.5	1302.9	1192.3	1083.7	985.2	891.7	801.2	726.8	662.5
32.5°	1707.0	1592.4	1458.7	1307.9	1162.2	1032.5	918.9	811.3	721.8	631.3	562.0
35°	1859.9	1686.9	1487.9	1288.8	1109.9	952.0	830.4	727.9	631.3	539.9	467.5
37.5°	1999.6	1762.3	1503.0	1256.7	1041.5	868.6	734.9	630.3	539.9	462.4	400.1
40°	2102.1	1811.6	1500.9	1215.4	972.1	783.1	651.5	556.9	475.5	414.2	365.9
42.5°	2182.6	1839.7	1490.9	1176.2	911.8	720.8	597.2	510.7	446.4	397.1	359.9
45°	2237.9	1859.9	1484.9	1145.1	871.6	690.7	579.1	506.7	452.4	408.2	365.9
47.5°	2286.1	1883.0	1482.9	1131.0	862.6	699.7	603.2	537.8	478.5	421.2	364.9
50°	2334.4	1906.1	1500.9	1154.1	896.7	750.0	659.5	576.1	494.6	417.2	347.8
52.5°	2400.7	1973.5	1568.3	1220.5	971.1	820.3	712.8	607.2	497.6	407.2	331.8
55°	2500.2	2078.0	1664.8	1307.9	1051.6	896.7	756.0	619.3	494.6	396.1	316.7
57.5°	2663.1	2231.8	1796.5	1429.6	1156.1	956.1	780.1	624.3	487.6	384.0	304.6
60°	2869.2	2407.8	1962.4	1557.2	1245.6	997.3	790.2	622.3	477.5	370.0	287.5
62.5°	3103.4	2600.8	2112.2	1673.9	1309.9	1016.4	786.2	606.2	454.4	340.8	263.4
65°	3309.5	2754.6	2237.9	1767.4	1350.2	1016.4	761.0	569.0	413.2	299.6	232.2
67.5°	3478.4	2884.3	2334.4	1821.6	1354.2	981.2	700.7	501.7	347.8	248.3	196.0
70°	3566.9	2925.5	2364.5	1815.6	1286.8	879.7	590.1	390.1	255.4	193.0	157.8
72.5°	3469.4	2828.0	2235.8	1640.7	1073.7	656.5	413.2	265.4	183.0	149.8	130.7
75°	3087.4	2399.7	1860.9	1268.7	769.1	409.2	256.4	186.0	144.8	124.7	114.6
77.5°	2305.2	1788.5	1280.8	803.3	440.3	248.3	180.0	141.8	121.6	109.6	100.5
80°	1449.7	1101.8	770.1	442.3	251.3	183.0	149.8	126.7	110.6	95.5	86.5
82.5°	807.3	587.1	392.1	252.3	174.9	147.8	129.7	116.6	98.5	83.4	74.4
85°	551.9	362.9	247.3	165.9	120.6	107.6	96.5	88.5	75.4	63.3	58.3
87.5°	224.2	209.1	151.8	66.4	49.3	44.2	39.2	48.3	40.2	31.2	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1031.5	1029.5	1030.5	1029.5	1028.4	1027.4	1026.4	1027.4	1025.4	1026.4	1026.4
5°	1028.4	1026.4	1029.5	1028.4	1026.4	1026.4	1025.4	1025.4	1025.4	1025.4	1026.4
7.5°	1019.4	1019.4	1022.4	1022.4	1020.4	1020.4	1018.4	1017.4	1017.4	1018.4	1020.4
10°	1007.3	1010.4	1015.4	1013.4	1009.3	1007.3	1004.3	1002.3	1001.3	1003.3	1005.3
12.5°	998.3	1000.3	997.3	994.3	988.2	981.2	980.2	975.2	972.1	977.2	977.2
15°	983.2	975.2	964.1	954.1	940.0	932.9	924.9	922.9	915.9	916.9	921.9
17.5°	951.0	929.9	912.8	902.8	890.7	885.7	876.6	871.6	866.6	861.6	864.6
20°	905.8	882.7	860.6	847.5	828.4	824.4	809.3	809.3	803.3	804.3	810.3
22.5°	848.5	813.3	785.2	769.1	749.0	740.9	733.9	728.9	725.8	731.9	724.8
25°	773.1	730.9	704.7	681.6	659.5	651.5	642.4	639.4	640.4	636.4	643.4
27.5°	695.7	643.4	615.3	589.1	573.0	559.0	551.9	549.9	545.9	556.9	550.9
30°	598.2	550.9	517.7	490.6	471.5	464.5	457.4	455.4	461.4	453.4	449.4
32.5°	499.6	448.4	420.2	397.1	383.0	369.0	366.9	362.9	355.9	364.9	362.9
35°	410.2	366.9	337.8	323.7	304.6	298.6	286.5	283.5	284.5	286.5	285.5
37.5°	355.9	325.7	299.6	280.5	266.4	258.4	254.3	250.3	250.3	248.3	247.3
40°	330.8	305.6	281.5	263.4	252.3	246.3	242.3	238.3	235.2	232.2	229.2
42.5°	326.7	296.6	269.4	251.3	241.3	239.3	238.3	235.2	231.2	226.2	222.2
45°	323.7	285.5	257.4	241.3	234.2	233.2	233.2	230.2	227.2	222.2	216.1
47.5°	313.7	271.4	244.3	232.2	229.2	230.2	229.2	226.2	224.2	219.2	212.1
50°	291.5	250.3	224.2	215.1	214.1	213.1	213.1	212.1	210.1	206.1	199.1
52.5°	272.4	231.2	210.1	204.1	202.1	202.1	200.1	199.1	195.0	192.0	187.0
55°	260.4	221.2	203.1	199.1	199.1	198.0	196.0	193.0	190.0	186.0	180.0
57.5°	249.3	213.1	198.0	195.0	196.0	195.0	193.0	191.0	187.0	182.0	174.9
60°	233.2	201.1	188.0	187.0	189.0	191.0	190.0	189.0	186.0	178.9	168.9
62.5°	210.1	181.0	170.9	172.9	174.9	176.9	175.9	174.9	171.9	165.9	156.8
65°	187.0	165.9	159.8	161.9	163.9	163.9	163.9	161.9	159.8	152.8	145.8
67.5°	164.9	151.8	149.8	151.8	152.8	152.8	153.8	151.8	148.8	143.8	136.7
70°	140.7	134.7	134.7	136.7	137.7	136.7	137.7	134.7	131.7	128.7	121.6
72.5°	125.7	125.7	124.7	124.7	124.7	122.6	121.6	119.6	116.6	113.6	107.6
75°	111.6	111.6	110.6	112.6	108.6	105.6	104.6	102.5	99.5	95.5	91.5
77.5°	95.5	93.5	93.5	96.5	95.5	91.5	88.5	87.5	83.4	79.4	77.4
80°	82.4	80.4	80.4	79.4	77.4	76.4	72.4	68.4	67.4	67.4	64.3
82.5°	72.4	71.4	68.4	66.4	63.3	60.3	57.3	55.3	52.3	51.3	52.3
85°	57.3	58.3	55.3	53.3	50.3	46.2	43.2	41.2	39.2	39.2	43.2
87.5°	33.2	31.2	31.2	30.2	29.2	26.1	26.1	23.1	22.1	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1027.4	1027.4	1024.4	1026.4	1025.4	1026.4	1030.5	1026.4	1025.4	1028.4	1031.5
5°	1027.4	1029.5	1026.4	1028.4	1028.4	1031.5	1036.5	1033.5	1035.5	1039.5	1043.5
7.5°	1023.4	1026.4	1026.4	1030.5	1033.5	1038.5	1045.5	1043.5	1047.5	1053.6	1058.6
10°	1012.4	1017.4	1022.4	1028.4	1035.5	1043.5	1053.6	1053.6	1057.6	1065.6	1070.7
12.5°	985.2	998.3	1004.3	1018.4	1029.5	1041.5	1052.6	1059.6	1062.6	1069.7	1075.7
15°	930.9	947.0	959.1	976.2	994.3	1011.4	1030.5	1037.5	1043.5	1046.5	1049.6
17.5°	868.6	879.7	887.7	909.8	929.9	946.0	964.1	973.2	980.2	980.2	982.2
20°	817.3	822.4	824.4	824.4	836.4	851.5	874.6	871.6	877.6	871.6	877.6
22.5°	737.9	729.9	733.9	733.9	741.9	738.9	748.0	763.0	761.0	765.1	782.1
25°	641.4	642.4	635.4	635.4	636.4	638.4	642.4	646.4	660.5	675.6	686.6
27.5°	549.9	547.9	542.9	538.9	534.8	541.9	546.9	545.9	566.0	578.1	598.2
30°	449.4	449.4	450.4	448.4	452.4	447.4	455.4	457.4	474.5	487.6	505.7
32.5°	365.9	367.9	367.9	366.9	374.0	369.0	373.0	378.0	389.1	400.1	409.2
35°	290.5	293.6	301.6	304.6	307.6	303.6	308.6	314.7	315.7	325.7	332.8
37.5°	246.3	251.3	252.3	254.3	254.3	257.4	258.4	262.4	262.4	265.4	267.4
40°	227.2	225.2	224.2	223.2	221.2	222.2	223.2	226.2	227.2	229.2	229.2
42.5°	218.2	215.1	210.1	207.1	203.1	203.1	203.1	203.1	206.1	208.1	208.1
45°	210.1	205.1	200.1	195.0	192.0	190.0	191.0	192.0	194.0	195.0	196.0
47.5°	205.1	198.0	190.0	185.0	182.0	180.0	181.0	182.0	182.0	183.0	184.0
50°	191.0	184.0	176.9	171.9	168.9	167.9	167.9	166.9	167.9	168.9	168.9
52.5°	180.0	172.9	166.9	161.9	158.8	158.8	157.8	155.8	156.8	155.8	156.8
55°	173.9	164.9	157.8	152.8	149.8	149.8	147.8	148.8	148.8	146.8	147.8
57.5°	166.9	157.8	151.8	145.8	141.8	141.8	140.7	141.8	142.8	139.7	139.7
60°	159.8	151.8	144.8	139.7	134.7	135.7	134.7	136.7	136.7	133.7	133.7
62.5°	146.8	139.7	135.7	132.7	128.7	129.7	129.7	132.7	129.7	127.7	126.7
65°	136.7	131.7	125.7	125.7	121.6	123.7	123.7	123.7	120.6	119.6	120.6
67.5°	129.7	123.7	119.6	115.6	112.6	113.6	111.6	111.6	110.6	109.6	111.6
70°	116.6	111.6	109.6	105.6	103.5	100.5	99.5	99.5	99.5	98.5	99.5
72.5°	103.5	99.5	97.5	93.5	91.5	89.5	88.5	87.5	86.5	87.5	87.5
75°	87.5	85.5	83.4	81.4	79.4	78.4	77.4	77.4	76.4	75.4	76.4
77.5°	75.4	72.4	71.4	69.4	70.4	67.4	66.4	67.4	67.4	67.4	68.4
80°	64.3	62.3	62.3	60.3	59.3	57.3	58.3	58.3	58.3	58.3	59.3
82.5°	56.3	54.3	54.3	53.3	50.3	48.3	49.3	51.3	51.3	50.3	52.3
85°	46.2	44.2	44.2	43.2	39.2	38.2	37.2	39.2	40.2	38.2	40.2
87.5°	30.2	28.1	27.1	27.1	23.1	16.1	21.1	23.1	23.1	19.1	22.1
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1030.5	1032.5	1032.5	1034.5	1038.5	1034.5	1032.5	1035.5	1035.5	1034.5	1034.5
5°	1043.5	1047.5	1048.6	1054.6	1057.6	1055.6	1057.6	1059.6	1060.6	1058.6	1060.6
7.5°	1060.6	1065.6	1070.7	1077.7	1083.7	1082.7	1085.8	1089.8	1090.8	1090.8	1092.8
10°	1074.7	1081.7	1086.8	1095.8	1102.8	1104.9	1107.9	1112.9	1117.9	1117.9	1121.9
12.5°	1077.7	1085.8	1090.8	1098.8	1110.9	1114.9	1121.9	1134.0	1139.0	1143.1	1146.1
15°	1051.6	1058.6	1065.6	1076.7	1090.8	1102.8	1118.9	1136.0	1151.1	1162.2	1166.2
17.5°	983.2	984.2	991.3	1007.3	1036.5	1049.6	1069.7	1104.9	1126.0	1146.1	1165.2
20°	882.7	901.8	908.8	929.9	958.1	978.2	1001.3	1033.5	1065.6	1101.8	1134.0
22.5°	794.2	819.3	839.4	864.6	887.7	910.8	940.0	968.1	1003.3	1038.5	1076.7
25°	703.7	726.8	755.0	782.1	809.3	838.4	874.6	904.8	940.0	981.2	1029.5
27.5°	616.3	640.4	671.6	703.7	725.8	765.1	795.2	839.4	879.7	924.9	979.2
30°	524.8	547.9	563.0	598.2	629.3	668.5	714.8	758.0	806.3	856.5	919.9
32.5°	425.3	439.3	460.4	484.6	520.8	562.0	610.2	656.5	722.8	785.2	845.5
35°	340.8	347.8	346.8	374.0	390.1	439.3	499.6	543.9	610.2	686.6	766.1
37.5°	268.4	267.4	273.4	277.5	297.6	329.7	377.0	434.3	510.7	593.1	672.6
40°	229.2	230.2	231.2	231.2	235.2	256.4	298.6	357.9	431.3	504.7	592.1
42.5°	211.1	213.1	214.1	216.1	218.2	225.2	255.4	310.6	373.0	451.4	529.8
45°	198.0	201.1	204.1	204.1	206.1	208.1	225.2	267.4	329.7	404.1	486.6
47.5°	187.0	190.0	192.0	193.0	195.0	197.0	206.1	235.2	295.6	362.9	448.4
50°	170.9	173.9	175.9	178.9	178.9	178.9	185.0	206.1	252.3	318.7	402.1
52.5°	157.8	159.8	162.9	164.9	165.9	166.9	169.9	182.0	217.2	279.5	357.9
55°	150.8	152.8	155.8	157.8	159.8	160.9	162.9	167.9	193.0	246.3	319.7
57.5°	141.8	144.8	148.8	150.8	152.8	153.8	154.8	156.8	173.9	214.1	274.5
60°	135.7	140.7	145.8	148.8	149.8	150.8	151.8	149.8	156.8	182.0	229.2
62.5°	128.7	133.7	137.7	141.8	142.8	143.8	144.8	141.8	140.7	152.8	178.9
65°	122.6	125.7	128.7	131.7	131.7	132.7	131.7	127.7	124.7	124.7	136.7
67.5°	114.6	116.6	119.6	120.6	120.6	120.6	119.6	118.6	113.6	111.6	113.6
70°	102.5	105.6	108.6	110.6	110.6	109.6	108.6	105.6	103.5	101.5	103.5
72.5°	91.5	95.5	96.5	97.5	96.5	96.5	96.5	94.5	95.5	95.5	96.5
75°	80.4	82.4	82.4	84.4	84.4	84.4	84.4	84.4	86.5	85.5	86.5
77.5°	68.4	69.4	71.4	71.4	71.4	72.4	74.4	74.4	76.4	77.4	77.4
80°	59.3	57.3	57.3	56.3	57.3	59.3	61.3	65.3	65.3	66.4	67.4
82.5°	47.3	43.2	41.2	43.2	43.2	44.2	48.3	52.3	52.3	55.3	56.3
85°	36.2	31.2	27.1	29.2	29.2	31.2	35.2	37.2	40.2	41.2	40.2
87.5°	21.1	18.1	12.1	10.1	12.1	15.1	16.1	18.1	15.1	17.1	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



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CATALOG NUMBER: EMM-F04-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
2.5°	1036.5	1036.5	1031.5	1031.5	1032.5	1034.5	1029.5	1028.4	1029.5	1028.4	1027.4
5°	1063.6	1060.6	1059.6	1057.6	1056.6	1058.6	1053.6	1053.6	1052.6	1050.6	1047.5
7.5°	1093.8	1091.8	1089.8	1087.8	1085.8	1086.8	1081.7	1080.7	1079.7	1078.7	1075.7
10°	1121.9	1118.9	1116.9	1111.9	1107.9	1103.8	1093.8	1090.8	1087.8	1085.8	1084.7
12.5°	1145.1	1142.0	1135.0	1126.0	1119.9	1109.9	1101.8	1094.8	1091.8	1088.8	1089.8
15°	1167.2	1161.1	1152.1	1141.0	1135.0	1125.0	1118.9	1115.9	1113.9	1111.9	1113.9
17.5°	1174.2	1176.2	1171.2	1168.2	1164.2	1160.1	1161.1	1164.2	1170.2	1170.2	1170.2
20°	1161.1	1183.3	1197.3	1208.4	1217.4	1223.5	1224.5	1227.5	1234.5	1237.6	1252.6
22.5°	1130.0	1187.3	1234.5	1272.7	1296.9	1304.9	1314.0	1324.0	1325.0	1328.0	1342.1
25°	1100.8	1184.3	1254.6	1315.0	1371.3	1410.5	1432.6	1452.7	1457.7	1461.7	1461.7
27.5°	1049.6	1142.0	1232.5	1313.0	1390.4	1455.7	1507.0	1559.3	1595.5	1608.5	1627.6
30°	995.3	1092.8	1186.3	1287.8	1386.3	1477.8	1570.3	1654.8	1714.1	1758.3	1793.5
32.5°	926.9	1032.5	1139.0	1249.6	1367.2	1481.8	1605.5	1728.2	1840.7	1929.2	1983.5
35°	855.5	966.1	1076.7	1198.3	1331.0	1469.8	1627.6	1790.5	1941.3	2085.0	2208.7
37.5°	777.1	881.7	1002.3	1141.0	1283.8	1449.7	1633.7	1835.7	2044.8	2250.9	2410.8
40°	687.6	789.2	905.8	1051.6	1224.5	1411.5	1630.6	1870.9	2133.3	2389.7	2647.0
42.5°	626.3	719.8	831.4	978.2	1154.1	1368.2	1618.6	1903.1	2213.7	2531.4	2855.1
45°	580.1	671.6	781.1	921.9	1100.8	1326.0	1614.6	1939.3	2298.2	2662.1	3040.1
47.5°	539.9	634.4	739.9	878.7	1051.6	1287.8	1605.5	1969.4	2368.5	2762.6	3201.0
50°	500.7	597.2	705.7	845.5	1015.4	1246.6	1585.4	1996.6	2434.9	2867.2	3333.7
52.5°	457.4	552.9	669.5	812.3	992.3	1220.5	1564.3	2018.7	2499.2	2978.8	3471.4
55°	411.2	507.7	622.3	773.1	961.1	1200.4	1543.2	2032.8	2566.6	3079.3	3595.0
57.5°	360.9	457.4	569.0	722.8	922.9	1173.2	1520.1	2031.8	2615.9	3173.8	3728.7
60°	299.6	387.0	497.6	652.5	856.5	1135.0	1500.9	2023.7	2651.0	3257.3	3877.5
62.5°	228.2	302.6	404.1	548.9	761.0	1061.6	1450.7	1989.5	2655.1	3317.6	4001.2
65°	162.9	203.1	283.5	428.3	604.2	897.8	1329.0	1899.1	2588.7	3274.3	4012.3
67.5°	124.7	146.8	186.0	272.4	428.3	683.6	1119.9	1696.0	2382.6	3044.1	3827.3
70°	107.6	118.6	139.7	177.9	268.4	443.3	793.2	1340.1	1962.4	2618.9	3287.4
72.5°	99.5	106.6	119.6	138.7	170.9	261.4	488.6	900.8	1441.6	1996.6	2581.7
75°	91.5	98.5	108.6	120.6	136.7	174.9	266.4	529.8	889.7	1319.0	1735.2
77.5°	81.4	87.5	100.5	111.6	121.6	136.7	169.9	294.6	489.6	789.2	1038.5
80°	68.4	74.4	84.4	101.5	111.6	121.6	132.7	181.0	270.4	408.2	532.8
82.5°	56.3	59.3	67.4	82.4	91.5	96.5	99.5	117.6	153.8	201.1	293.6
85°	39.2	39.2	45.2	53.3	60.3	56.3	57.3	60.3	79.4	111.6	225.2
87.5°	15.1	11.1	14.1	17.1	17.1	16.1	19.1	18.1	25.1	47.3	64.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	0°
2.5°	1027.4	1027.4	1026.4	1025.4	1024.4	1024.4	1022.4	1025.4	1024.4	1025.4	1026.4	2.5°
5°	1048.6	1046.5	1044.5	1042.5	1042.5	1040.5	1037.5	1036.5	1032.5	1031.5	1028.4	5°
7.5°	1078.7	1078.7	1078.7	1076.7	1072.7	1067.7	1061.6	1057.6	1046.5	1038.5	1029.5	7.5°
10°	1086.8	1088.8	1089.8	1090.8	1086.8	1085.8	1078.7	1070.7	1057.6	1045.5	1033.5	10°
12.5°	1089.8	1093.8	1094.8	1095.8	1092.8	1090.8	1083.7	1078.7	1067.7	1055.6	1049.6	12.5°
15°	1117.9	1125.0	1133.0	1132.0	1141.0	1131.0	1125.0	1126.0	1113.9	1100.8	1096.8	15°
17.5°	1190.3	1193.3	1210.4	1211.4	1225.5	1229.5	1219.5	1208.4	1201.4	1193.3	1176.2	17.5°
20°	1268.7	1290.8	1296.9	1327.0	1341.1	1348.1	1349.1	1349.1	1336.1	1300.9	1286.8	20°
22.5°	1354.2	1387.3	1423.5	1442.6	1471.8	1475.8	1490.9	1481.8	1471.8	1444.7	1412.5	22.5°
25°	1491.9	1511.0	1543.2	1591.4	1605.5	1634.7	1628.6	1641.7	1619.6	1572.3	1553.2	25°
27.5°	1645.7	1678.9	1724.1	1769.4	1789.5	1821.6	1801.5	1821.6	1785.5	1772.4	1726.1	27.5°
30°	1813.6	1858.8	1939.3	1995.6	2036.8	2058.9	2045.8	2034.8	2024.7	2000.6	1997.6	30°
32.5°	2019.7	2074.0	2150.4	2223.8	2296.2	2371.6	2389.7	2405.7	2442.9	2369.6	2298.2	32.5°
35°	2274.0	2315.3	2400.7	2485.2	2584.7	2679.2	2835.0	2874.2	2824.0	2736.5	2621.9	35°
37.5°	2522.4	2615.9	2701.3	2801.8	2876.2	2984.8	3054.2	3131.6	3089.4	3007.9	2876.2	37.5°
40°	2827.0	2953.6	3070.3	3193.9	3278.4	3362.8	3493.5	3578.0	3569.9	3468.4	3290.4	40°
42.5°	3106.5	3307.5	3500.5	3593.0	3705.6	3858.4	3954.9	4089.7	4098.7	3981.1	3754.9	42.5°
45°	3399.0	3633.2	3868.5	4050.5	4146.0	4335.0	4556.1	4702.9	4748.1	4524.0	4292.7	45°
47.5°	3628.2	3993.1	4308.8	4502.8	4680.8	4875.8	5160.3	5372.5	5354.4	5051.8	4746.1	47.5°
50°	3829.3	4293.7	4675.8	4995.5	5208.6	5433.8	5808.8	6062.1	5973.6	5588.6	5206.6	50°
52.5°	4011.2	4556.1	5028.6	5424.7	5673.0	5994.8	6468.3	6689.4	6438.1	6066.1	5593.6	52.5°
55°	4178.1	4793.4	5342.3	5818.8	6201.8	6617.0	7061.4	7213.2	6855.3	6395.9	5961.6	55°
57.5°	4331.9	5013.6	5630.8	6202.9	6716.6	7212.2	7599.2	7609.3	7159.9	6650.2	6236.0	57.5°
60°	4516.9	5215.6	5932.4	6601.0	7227.3	7742.0	7968.2	7896.8	7356.0	6840.2	6425.0	60°
62.5°	4695.9	5397.6	6178.7	6984.0	7739.0	8188.4	8233.6	8082.8	7490.7	6928.7	6566.8	62.5°
65°	4784.3	5536.3	6316.5	7227.3	8139.1	8454.8	8399.5	8163.2	7545.0	6941.8	6603.0	65°
67.5°	4654.7	5406.6	6184.8	7121.7	8137.1	8437.7	8294.9	8009.4	7413.3	6763.8	6435.1	67.5°
70°	4177.1	4906.0	5540.3	6422.0	7564.1	7860.6	7646.5	7364.0	6865.4	6230.0	6080.2	70°
72.5°	3514.6	4055.5	4586.3	5237.7	6020.9	6280.3	5997.8	6138.5	6009.8	5394.6	5257.8	72.5°
75°	2638.0	3143.7	3350.7	3550.8	4091.7	4246.5	4137.9	4620.5	4752.2	4495.8	4147.0	75°
77.5°	1726.1	2257.0	2295.2	2299.2	2520.3	2816.9	3210.0	3711.7	3961.0	3845.4	3422.1	77.5°
80°	1006.3	1590.4	1422.5	1368.2	1564.3	1895.0	2413.8	3042.1	3371.9	3396.0	2991.8	80°
82.5°	505.7	997.3	863.6	854.5	965.1	1209.4	1588.4	1939.3	2368.5	2388.7	2441.9	82.5°
85°	393.1	685.6	701.7	761.0	838.4	940.0	968.1	1030.5	1269.7	1490.9	1548.2	85°
87.5°	204.1	504.7	595.2	692.7	683.6	560.0	472.5	509.7	593.1	625.3	812.3	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°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1025.4	1025.4	1025.4	1025.4	1025.4	1025.4	1025.4
1024.4	1026.4	1025.4	1026.4	1027.4	1027.4	1026.4
1023.4	1022.4	1018.4	1016.4	1016.4	1014.4	1013.4
1017.4	1010.4	1000.3	994.3	990.2	987.2	982.2
1018.4	1006.3	993.3	984.2	975.2	969.1	963.1
1031.5	1016.4	1004.3	990.2	983.2	975.2	968.1
1076.7	1056.6	1042.5	1029.5	1021.4	1015.4	1009.3
1149.1	1125.0	1101.8	1089.8	1075.7	1065.6	1064.6
1246.6	1211.4	1181.3	1154.1	1141.0	1125.0	1121.9
1357.2	1305.9	1273.7	1243.6	1225.5	1206.4	1207.4
1497.9	1446.7	1394.4	1363.2	1337.1	1340.1	1337.1
1666.8	1626.6	1566.3	1528.1	1520.1	1488.9	1465.8
1930.2	1869.9	1796.5	1728.2	1684.9	1633.7	1585.4
2188.6	2077.0	1979.5	1913.1	1857.8	1782.4	1707.0
2443.9	2315.3	2224.8	2168.5	2083.0	1977.5	1859.9
2747.6	2663.1	2598.8	2461.0	2339.4	2177.5	1999.6
3185.9	3079.3	2925.5	2750.6	2574.6	2345.4	2102.1
3622.2	3493.5	3278.4	3021.0	2768.7	2492.2	2182.6
4095.7	3847.4	3566.9	3255.2	2944.6	2601.8	2237.9
4468.7	4159.0	3809.2	3435.2	3084.3	2692.3	2286.1
4849.7	4475.7	4036.4	3615.1	3211.0	2765.6	2334.4
5149.3	4732.1	4268.6	3779.0	3328.6	2848.1	2400.7
5448.9	4987.4	4476.7	3942.9	3474.4	2962.7	2500.2
5698.2	5218.6	4677.8	4121.8	3643.3	3115.5	2663.1
6026.9	5543.4	4914.0	4334.0	3834.3	3323.6	2869.2
6339.6	5924.4	5242.8	4583.3	4067.5	3558.8	3103.4
6545.7	6354.7	5579.6	4833.6	4286.7	3779.0	3309.5
6549.7	6628.1	5934.4	5036.7	4491.8	4018.3	3478.4
6391.9	6666.3	6009.8	5054.8	4589.3	4124.8	3566.9
5846.0	6195.8	5558.4	4697.9	4408.3	4041.4	3469.4
4522.0	4775.3	4445.5	3982.1	3992.1	3778.0	3087.4
3130.6	3369.8	3092.4	2993.9	3214.0	3094.4	2305.2
2371.6	2062.9	1954.4	2006.6	2281.1	2268.0	1449.7
2112.2	1561.3	1294.9	1359.2	1610.5	1470.8	807.3
1732.2	1557.2	1301.9	1177.2	1227.5	1004.3	551.9
997.3	1139.0	927.9	874.6	761.0	452.4	224.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)