

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: P181093

Luminaire Tested: **ICM-F04-LED-E1-SLR**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181093  
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: ICM-F04-LED-E1-SLR  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (28) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

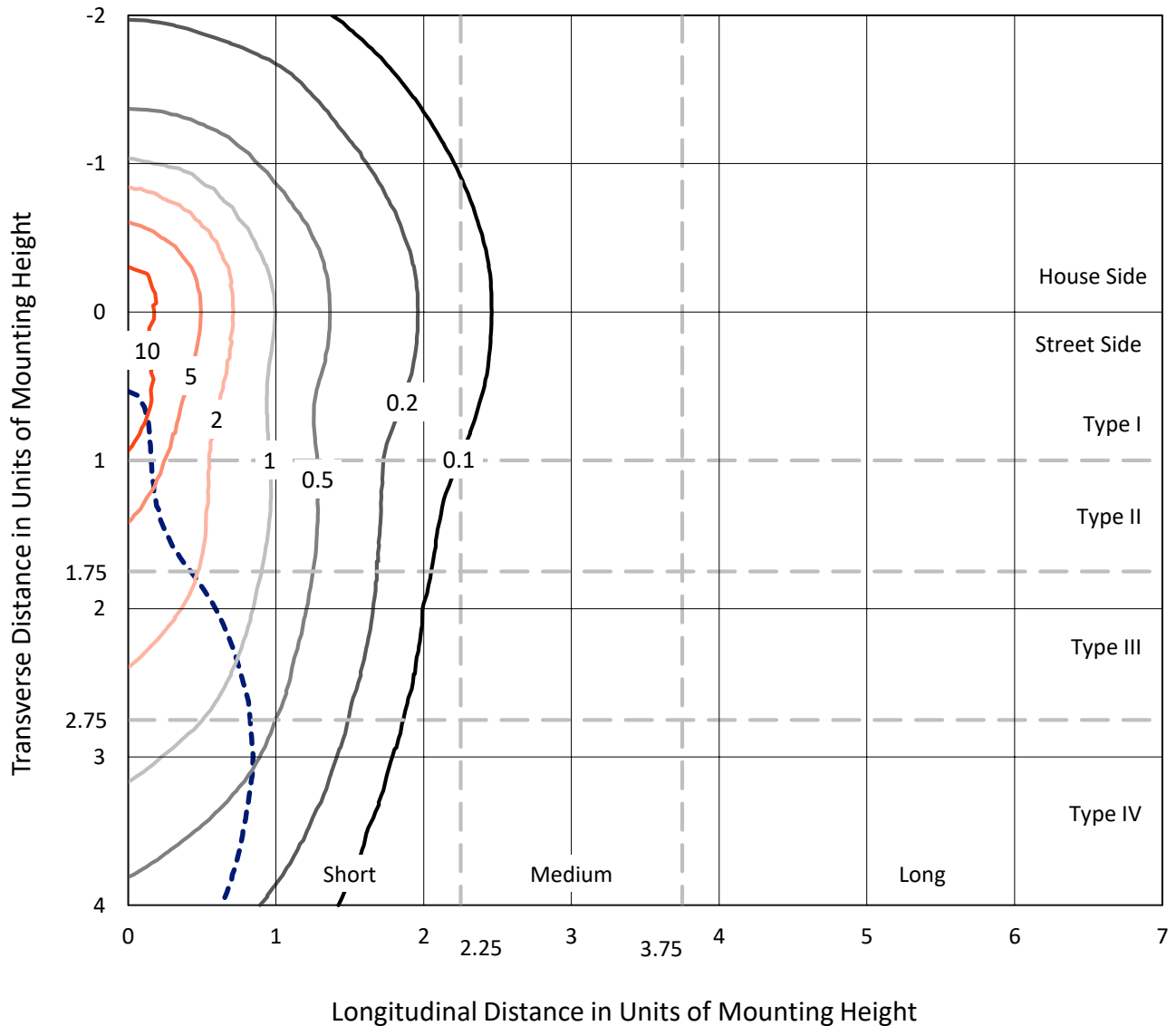
Lumens per Lamp: N/A  
Luminaire Lumens: 8547 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 102.2  
Input Voltage (V): NR  
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

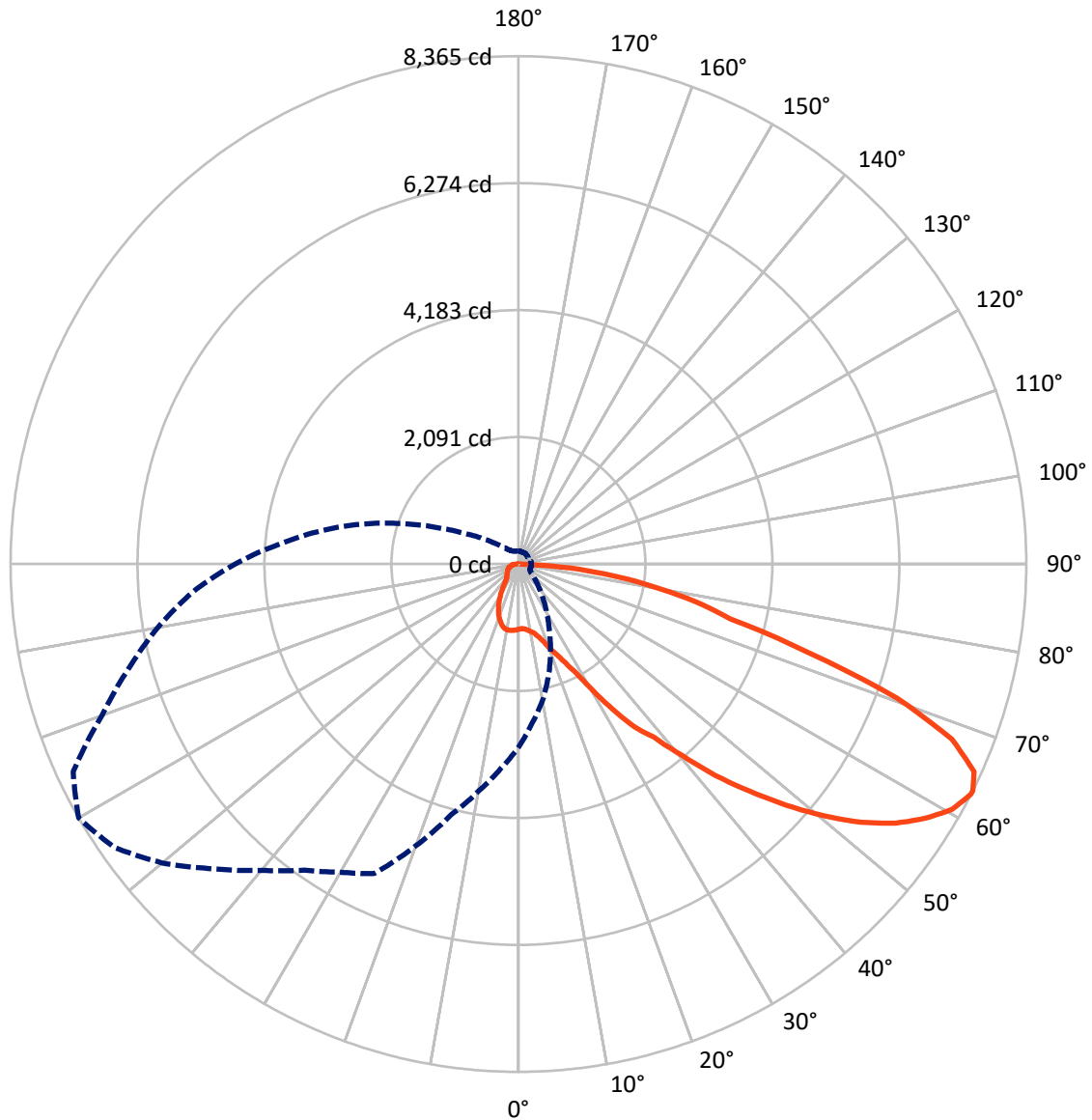
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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
<b>House Side</b>	Lumens	1853.4	0.0	1853.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6693.6	0.0	6693.6
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8547.0	0.0	8547.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.6	1.2
10°-20°	325.6	3.8
20°-30°	578.5	6.8
30°-40°	911.0	10.7
40°-50°	1340.7	15.7
50°-60°	1780.8	20.8
60°-70°	1961.6	23.0
70°-80°	1230.7	14.4
80°-90°	313.5	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°	8547.0	100.0
0°-180°	8547.0	100.0

**Coefficient of Utilization**



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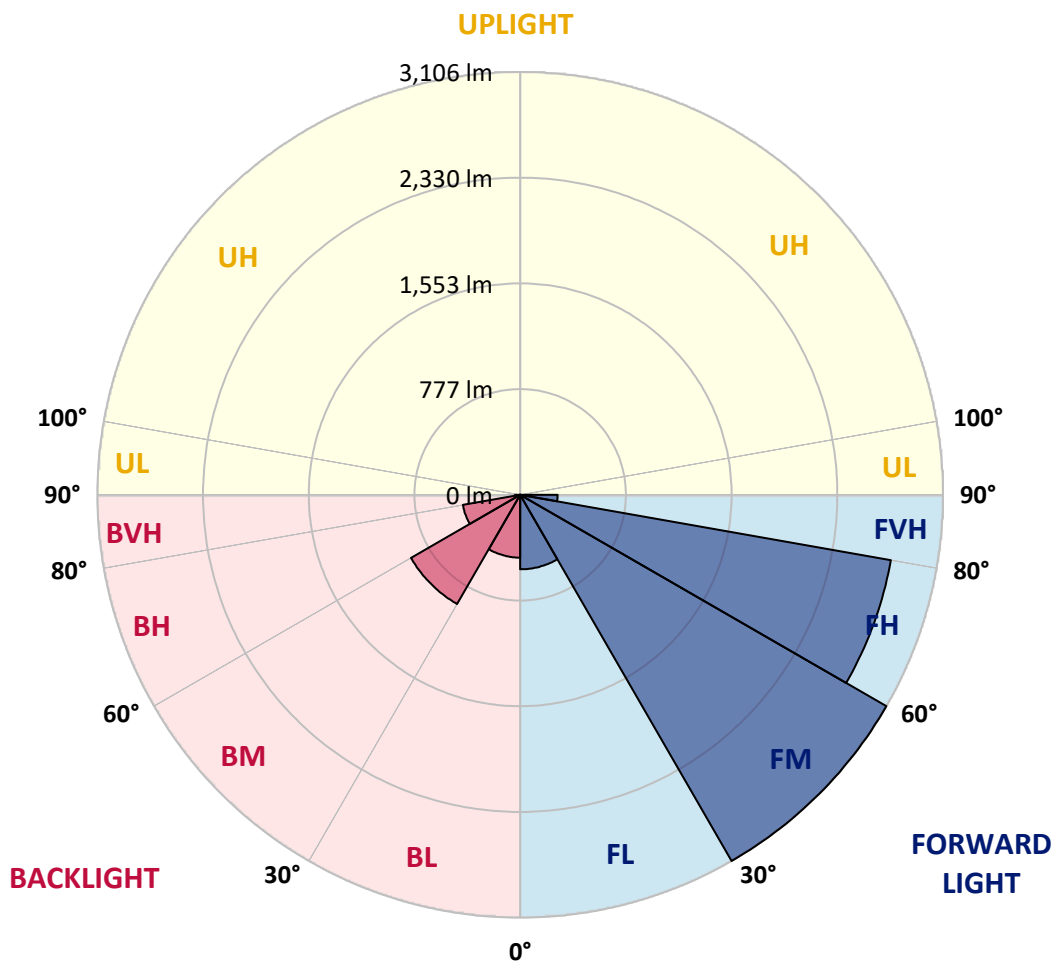
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.3	6.4			
FM	(30°-60°)	3106.2	36.3			
FH	(60°-80°)	2765.1	32.4			G2/5000
FVH	(80°-90°)	275.1	3.2			G3/500
BL	(0°-30°)	461.4	5.4	B1/500		
BM	(30°-60°)	926.4	10.8	B1/1000		
BH	(60°-80°)	427.2	5.0	B1/500		G1/500
BVH	(80°-90°)	38.4	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°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1059.7	1062.8	1061.8	1061.8	1063.8	1062.8	1062.8	1063.8	1063.8	1066.9	1071.0
5°	1051.5	1050.5	1048.5	1050.5	1050.5	1050.5	1046.4	1049.5	1050.5	1052.6	1052.6
7.5°	1061.8	1058.7	1054.6	1055.6	1055.6	1053.6	1050.5	1051.5	1050.5	1050.5	1049.5
10°	1075.1	1067.9	1062.8	1062.8	1062.8	1060.8	1055.6	1058.7	1058.7	1057.7	1058.7
12.5°	1098.7	1090.4	1084.3	1082.2	1082.2	1079.2	1075.1	1079.2	1077.1	1077.1	1075.1
15°	1137.6	1128.4	1121.2	1115.1	1116.1	1116.1	1111.0	1107.9	1103.8	1098.7	1088.4
17.5°	1195.9	1185.7	1176.5	1171.4	1172.4	1165.2	1150.9	1136.6	1117.1	1097.7	1076.1
20°	1278.9	1275.8	1263.5	1258.4	1246.1	1228.7	1188.8	1155.0	1117.1	1080.2	1043.4
22.5°	1422.2	1407.9	1395.6	1376.1	1335.2	1287.1	1220.5	1161.1	1101.8	1049.5	1000.4
25°	1614.7	1589.1	1528.7	1469.3	1385.3	1299.4	1209.2	1132.5	1058.7	990.1	929.7
27.5°	1804.1	1726.3	1618.8	1511.3	1388.4	1275.8	1163.2	1072.0	986.1	911.3	844.7
30°	2033.5	1902.4	1737.6	1567.6	1393.6	1242.0	1106.9	1000.4	901.0	822.2	752.6
32.5°	2248.5	2059.1	1843.1	1619.8	1404.8	1210.2	1042.3	921.5	819.2	719.8	651.2
35°	2395.9	2150.2	1888.1	1624.9	1377.1	1149.9	961.5	819.2	716.7	624.6	543.7
37.5°	2484.0	2190.2	1890.2	1588.1	1312.7	1067.9	859.1	717.8	623.5	535.5	472.0
40°	2539.3	2199.4	1863.5	1534.8	1230.7	964.6	756.7	629.7	543.7	473.0	423.9
42.5°	2566.0	2185.0	1820.5	1467.3	1147.8	872.4	685.0	565.2	490.4	440.3	403.4
45°	2570.1	2159.5	1774.4	1405.9	1074.1	805.9	635.8	538.6	477.1	435.2	398.3
47.5°	2570.1	2136.9	1737.6	1360.8	1026.0	777.1	631.7	549.9	489.4	442.3	398.3
50°	2572.1	2129.8	1722.2	1338.2	1009.6	792.5	666.6	584.7	516.1	454.6	397.3
52.5°	2581.3	2139.0	1734.5	1355.6	1039.3	854.0	732.1	636.8	550.9	468.9	397.3
55°	2601.8	2169.7	1786.7	1416.1	1119.2	947.1	811.0	693.2	578.5	475.1	391.2
57.5°	2659.1	2247.5	1882.0	1532.8	1255.4	1054.6	882.6	733.1	588.7	470.0	378.9
60°	2773.8	2402.1	2044.8	1696.7	1399.7	1146.8	924.6	739.3	579.5	453.6	359.4
62.5°	2957.0	2579.3	2242.3	1874.8	1527.6	1198.0	929.7	723.9	555.0	423.9	330.7
63°	3020.6	2623.3	2284.4	1908.6	1544.1	1202.1	925.6	717.8	548.8	415.7	326.6
65°	3197.7	2808.6	2429.8	2027.4	1590.1	1203.1	903.1	687.1	520.2	384.0	298.0
67.5°	3528.4	3052.3	2613.0	2120.5	1606.5	1170.3	845.8	629.7	459.7	334.8	262.1
70°	3737.3	3188.5	2683.6	2122.6	1558.4	1077.1	746.4	536.6	383.0	277.5	225.3
72.5°	3683.0	3054.3	2497.3	1931.1	1350.5	900.0	600.0	421.9	299.0	222.2	187.3
75°	3154.7	2542.3	2037.6	1495.9	1020.8	661.5	439.3	301.0	221.2	174.0	156.7
77.5°	2271.1	1829.8	1461.1	1065.9	688.1	428.0	291.8	215.0	167.9	143.3	129.0
80°	1446.8	1073.0	893.9	640.9	402.4	265.2	200.7	162.8	138.2	119.8	110.6
82.5°	755.6	529.4	430.0	327.6	223.3	175.1	147.4	133.1	113.7	99.3	94.2
85°	471.0	312.3	231.4	161.8	111.6	100.4	92.2	90.1	80.9	71.6	68.6
87.5°	53.2	48.1	50.1	31.7	23.5	25.6	24.6	32.7	31.7	23.5	24.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1066.9	1068.9	1068.9	1072.0	1072.0	1074.1	1076.1	1076.1	1078.1	1079.2	1081.2
5°	1054.6	1054.6	1054.6	1058.7	1059.7	1065.9	1067.9	1070.0	1072.0	1079.2	1083.3
7.5°	1051.5	1047.4	1049.5	1049.5	1052.6	1057.7	1062.8	1065.9	1068.9	1078.1	1084.3
10°	1057.7	1054.6	1051.5	1051.5	1052.6	1054.6	1058.7	1061.8	1063.8	1073.0	1078.1
12.5°	1074.1	1066.9	1060.8	1055.6	1051.5	1050.5	1048.5	1049.5	1051.5	1056.7	1063.8
15°	1077.1	1063.8	1050.5	1037.2	1027.0	1020.8	1015.7	1013.7	1013.7	1016.8	1024.9
17.5°	1056.7	1034.1	1014.7	997.3	986.1	974.8	969.7	965.6	963.5	967.6	968.7
20°	1012.7	986.1	959.4	938.9	918.4	915.4	907.2	909.2	911.3	917.4	920.5
22.5°	952.3	920.5	887.7	866.2	849.9	835.5	826.3	830.4	833.5	839.6	842.7
25°	878.5	832.5	797.6	776.1	758.7	746.4	736.2	740.3	736.2	743.4	754.6
27.5°	791.4	737.2	700.4	675.8	663.5	653.2	643.0	643.0	653.2	653.2	662.5
30°	686.1	646.1	598.0	572.4	557.0	550.9	549.9	547.8	555.0	559.1	569.3
32.5°	586.7	537.6	491.4	466.9	453.6	446.4	447.4	448.5	451.5	457.7	474.0
35°	486.3	443.4	410.6	383.0	369.7	356.3	356.3	354.2	357.3	364.5	384.0
37.5°	421.9	384.0	358.3	336.8	323.5	315.4	308.2	305.1	305.1	308.2	315.4
40°	386.0	358.3	334.8	316.4	304.1	296.9	292.8	289.8	287.7	287.7	288.7
42.5°	369.7	340.9	317.4	301.0	291.8	287.7	286.7	285.7	282.6	281.6	280.6
45°	361.4	328.7	302.0	288.7	281.6	279.5	280.6	280.6	279.5	277.5	273.4
47.5°	355.3	317.4	290.8	278.5	275.4	275.4	275.4	275.4	274.4	273.4	270.3
50°	345.0	300.0	271.4	262.1	260.1	260.1	261.1	261.1	263.2	261.1	259.1
52.5°	333.8	283.6	255.0	246.8	245.8	244.7	244.7	244.7	245.8	245.8	244.7
55°	321.5	271.4	246.8	240.7	241.7	240.7	239.6	238.6	238.6	237.6	235.5
57.5°	309.2	261.1	240.7	236.6	237.6	237.6	235.5	233.5	232.5	229.4	227.4
60°	290.8	246.8	228.4	226.3	229.4	229.4	229.4	228.4	228.4	227.4	222.2
62.5°	266.2	226.3	211.9	212.9	214.0	216.0	216.0	216.0	216.0	214.0	208.8
63°	261.1	222.2	208.8	208.8	211.9	211.9	212.9	211.9	212.9	210.9	204.7
65°	240.7	208.8	198.6	199.6	201.7	201.7	201.7	200.7	200.7	197.6	194.5
67.5°	217.0	192.5	186.3	187.3	188.4	190.4	189.4	189.4	190.4	188.4	185.3
70°	190.4	175.1	171.0	172.0	173.0	173.0	172.0	172.0	173.0	171.0	167.9
72.5°	170.0	163.8	160.7	160.7	158.7	158.7	156.7	155.6	154.6	154.6	151.5
75°	143.3	142.3	143.3	145.4	143.3	141.3	140.3	137.2	135.2	135.2	134.1
77.5°	122.9	122.9	124.9	128.0	129.0	129.0	126.0	120.8	119.8	119.8	119.8
80°	106.5	104.5	104.5	107.5	110.6	109.6	104.5	99.3	99.3	104.5	105.5
82.5°	93.2	93.2	90.1	91.2	90.1	89.1	84.0	80.9	79.9	84.0	88.1
85°	73.8	74.8	73.8	72.7	71.6	68.6	64.5	61.4	60.4	64.5	70.6
87.5°	29.7	28.7	27.6	28.7	27.6	29.7	28.7	26.6	25.6	28.7	34.8
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°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1082.2	1084.3	1086.3	1086.3	1088.4	1087.4	1088.4	1089.4	1089.4	1090.4	1090.4
5°	1088.4	1091.4	1095.5	1099.7	1100.8	1103.8	1106.9	1104.8	1107.9	1112.0	1112.0
7.5°	1090.4	1097.7	1100.8	1106.9	1107.9	1112.0	1119.2	1114.1	1120.2	1123.3	1124.3
10°	1087.4	1094.5	1099.7	1106.9	1110.0	1117.1	1124.3	1122.2	1129.4	1134.5	1135.5
12.5°	1068.9	1076.1	1087.4	1097.7	1105.9	1117.1	1130.4	1126.3	1136.6	1142.7	1145.8
15°	1033.1	1040.3	1052.6	1068.9	1084.3	1101.8	1119.2	1122.2	1132.5	1139.6	1142.7
17.5°	976.8	986.1	999.4	1016.8	1036.2	1065.9	1088.4	1099.7	1114.1	1118.1	1123.3
20°	924.6	933.8	942.0	952.3	966.6	995.3	1024.9	1047.4	1065.9	1081.2	1085.3
22.5°	855.0	863.2	873.4	881.6	891.8	912.3	936.8	962.5	991.2	1000.4	1010.6
25°	771.0	776.1	790.4	795.5	802.7	820.2	839.6	858.1	885.7	905.1	910.2
27.5°	680.9	686.1	699.4	702.4	711.6	728.0	742.3	749.5	775.1	795.5	812.0
30°	576.5	589.8	606.1	608.2	618.4	628.7	642.0	649.1	672.7	694.2	714.7
32.5°	486.3	499.6	513.0	521.2	526.3	534.5	547.8	555.0	577.5	596.9	617.4
35°	394.2	410.6	424.9	436.2	440.3	450.5	460.7	467.9	491.4	508.8	523.3
37.5°	324.6	336.8	352.2	363.4	374.8	382.0	394.2	404.5	418.8	428.0	443.4
40°	290.8	296.9	305.1	314.3	323.5	331.7	340.9	349.1	358.3	370.7	380.9
42.5°	279.5	280.6	280.6	283.6	288.7	292.8	301.0	307.2	313.3	322.5	327.6
45°	271.4	270.3	268.3	266.2	267.3	269.3	274.4	278.5	285.7	289.8	290.8
47.5°	267.3	263.2	259.1	256.0	255.0	256.0	260.1	264.2	268.3	271.4	272.4
50°	254.0	250.9	244.7	240.7	238.6	240.7	245.8	247.8	251.9	255.0	256.0
52.5°	240.7	236.6	232.5	228.4	228.4	229.4	233.5	237.6	241.7	242.7	244.7
55°	232.5	226.3	222.2	219.1	217.0	220.2	223.3	228.4	233.5	234.5	236.6
57.5°	224.3	218.0	214.0	210.9	208.8	211.9	215.0	222.2	228.4	228.4	228.4
60°	219.1	214.0	207.8	204.7	201.7	204.7	208.8	216.0	222.2	221.2	220.2
62.5°	204.7	199.6	196.6	196.6	193.5	198.6	202.7	210.9	211.9	209.9	207.8
63°	200.7	196.6	194.5	194.5	192.5	197.6	201.7	208.8	208.8	206.8	204.7
65°	190.4	187.3	185.3	187.3	187.3	192.5	193.5	198.6	197.6	194.5	193.5
67.5°	182.2	180.2	178.1	178.1	178.1	179.2	180.2	182.2	181.2	180.2	181.2
70°	168.9	167.9	165.9	165.9	164.8	164.8	164.8	165.9	165.9	166.9	167.9
72.5°	152.6	150.5	150.5	151.5	149.5	150.5	151.5	150.5	152.6	152.6	153.6
75°	134.1	133.1	135.2	137.2	136.2	136.2	137.2	137.2	138.2	138.2	139.3
77.5°	119.8	120.8	121.9	123.9	124.9	124.9	124.9	123.9	124.9	124.9	126.0
80°	106.5	108.6	110.6	112.7	113.7	113.7	113.7	112.7	112.7	112.7	112.7
82.5°	96.3	99.3	101.4	102.4	102.4	102.4	102.4	102.4	102.4	100.4	98.3
85°	80.9	87.1	87.1	88.1	85.0	83.0	80.9	82.0	83.0	78.9	77.9
87.5°	40.9	40.9	43.0	45.0	46.0	46.0	52.2	49.1	48.1	47.1	45.0
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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CATALOG NUMBER: ICM-F04-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1091.4	1090.4	1092.5	1090.4	1091.4	1092.5	1090.4	1093.5	1095.5	1092.5	1089.4
5°	1114.1	1114.1	1119.2	1121.2	1122.2	1128.4	1125.3	1127.4	1129.4	1128.4	1129.4
7.5°	1128.4	1132.5	1137.6	1142.7	1143.7	1148.8	1147.8	1150.9	1152.9	1158.1	1158.1
10°	1140.7	1145.8	1152.9	1158.1	1163.2	1167.3	1169.3	1175.4	1176.5	1180.6	1180.6
12.5°	1151.9	1158.1	1165.2	1173.4	1178.5	1186.7	1187.7	1196.9	1200.0	1201.0	1198.0
15°	1149.9	1157.0	1165.2	1174.4	1183.6	1193.9	1200.0	1209.2	1214.3	1216.4	1211.3
17.5°	1130.4	1136.6	1146.8	1159.1	1170.3	1183.6	1194.9	1208.2	1216.4	1218.4	1217.4
20°	1092.5	1096.6	1110.0	1126.3	1139.6	1160.1	1176.5	1196.9	1210.2	1220.5	1223.5
22.5°	1017.8	1028.0	1041.3	1059.7	1079.2	1104.8	1128.4	1158.1	1186.7	1211.3	1235.8
25°	927.6	946.1	966.6	991.2	1014.7	1041.3	1067.9	1101.8	1143.7	1194.9	1253.3
27.5°	836.6	868.3	893.9	925.6	953.3	979.9	1009.6	1046.4	1092.5	1154.0	1228.7
30°	744.4	780.2	807.9	844.7	881.6	917.4	947.1	986.1	1031.1	1093.5	1175.4
32.5°	646.1	682.0	714.7	748.5	789.4	832.5	868.3	916.4	964.6	1029.0	1112.0
35°	544.7	576.5	604.1	639.9	685.0	731.1	778.1	833.5	885.7	953.3	1041.3
37.5°	456.7	479.2	505.8	537.6	572.4	621.5	674.8	740.3	799.6	873.4	963.5
40°	384.0	396.3	411.6	438.2	470.0	518.1	570.3	639.9	711.6	792.5	879.5
42.5°	327.6	333.8	337.9	355.3	380.9	428.0	478.1	545.8	624.6	712.7	800.7
45°	290.8	293.9	294.9	304.1	322.5	363.4	415.7	473.0	548.8	634.8	727.0
47.5°	273.4	276.5	278.5	280.6	291.8	323.5	370.7	424.9	494.5	573.4	667.6
50°	259.1	262.1	265.2	264.2	269.3	289.8	329.7	379.9	445.4	518.1	611.3
52.5°	244.7	246.8	246.8	246.8	249.9	263.2	291.8	337.9	398.3	466.9	559.1
55°	236.6	238.6	239.6	240.7	241.7	248.8	270.3	307.2	359.4	422.9	505.8
57.5°	228.4	229.4	231.4	232.5	234.5	238.6	251.9	278.5	322.5	375.8	445.4
60°	221.2	223.3	227.4	228.4	230.4	231.4	237.6	254.0	282.6	323.5	379.9
62.5°	209.9	212.9	217.0	218.0	220.2	221.2	222.2	231.4	244.7	269.3	311.3
63°	206.8	209.9	215.0	216.0	217.0	217.0	218.0	224.3	236.6	258.0	288.7
65°	195.5	199.6	202.7	203.7	204.7	204.7	203.7	205.8	206.8	216.0	234.5
67.5°	183.3	186.3	188.4	189.4	188.4	189.4	188.4	186.3	184.3	186.3	194.5
70°	171.0	173.0	173.0	174.0	175.1	176.1	174.0	172.0	170.0	168.9	174.0
72.5°	156.7	158.7	158.7	159.7	159.7	161.8	161.8	160.7	160.7	161.8	162.8
75°	142.3	144.4	143.3	145.4	145.4	148.5	148.5	149.5	151.5	150.5	149.5
77.5°	129.0	130.0	130.0	131.1	132.1	137.2	140.3	141.3	141.3	139.3	137.2
80°	114.7	114.7	112.7	111.6	112.7	117.8	123.9	124.9	128.0	127.0	128.0
82.5°	96.3	92.2	89.1	89.1	91.2	94.2	96.3	98.3	100.4	100.4	102.4
85°	73.8	69.6	66.5	67.5	70.6	71.6	70.6	70.6	74.8	77.9	74.8
87.5°	44.0	39.9	37.9	34.8	35.8	38.9	37.9	34.8	35.8	28.7	26.6
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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CATALOG NUMBER: ICM-F04-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1091.4	1090.4	1088.4	1085.3	1084.3	1082.2	1083.3	1080.2	1078.1	1076.1	1073.0
5°	1129.4	1129.4	1123.3	1123.3	1120.2	1119.2	1112.0	1108.9	1102.8	1104.8	1097.7
7.5°	1156.0	1159.1	1151.9	1150.9	1146.8	1145.8	1136.6	1133.5	1128.4	1126.3	1120.2
10°	1175.4	1175.4	1166.2	1159.1	1154.0	1148.8	1139.6	1135.5	1131.4	1132.5	1128.4
12.5°	1190.8	1183.6	1170.3	1160.1	1152.9	1147.8	1140.7	1137.6	1136.6	1143.7	1144.8
15°	1203.1	1192.8	1176.5	1169.3	1163.2	1162.1	1162.1	1165.2	1172.4	1185.7	1195.9
17.5°	1210.2	1204.1	1195.9	1193.9	1204.1	1210.2	1218.4	1227.6	1237.9	1256.4	1267.6
20°	1223.5	1227.6	1233.8	1242.0	1258.4	1273.8	1284.0	1297.3	1309.6	1332.1	1350.5
22.5°	1258.4	1282.0	1301.4	1317.8	1342.3	1363.8	1377.1	1395.6	1404.8	1420.2	1448.8
25°	1303.4	1351.5	1392.6	1427.4	1465.2	1487.7	1506.1	1529.7	1544.1	1569.7	1595.3
27.5°	1290.1	1358.7	1420.2	1484.7	1536.9	1595.3	1636.2	1675.1	1699.7	1737.6	1771.4
30°	1249.2	1331.1	1414.1	1499.0	1582.0	1665.9	1743.7	1814.3	1868.7	1922.9	1978.2
32.5°	1193.9	1288.1	1389.4	1493.9	1602.4	1719.2	1826.6	1933.1	2023.3	2102.1	2178.9
35°	1130.4	1236.8	1342.3	1471.4	1605.5	1754.0	1903.5	2050.9	2188.1	2327.4	2421.6
37.5°	1054.6	1163.2	1280.9	1429.4	1587.1	1770.3	1960.8	2153.3	2347.8	2535.2	2698.0
40°	973.8	1084.3	1208.2	1368.9	1547.2	1760.1	1997.7	2256.7	2523.9	2795.3	3011.4
42.5°	902.1	1015.7	1150.9	1313.7	1507.2	1746.8	2027.4	2345.8	2672.4	3008.3	3325.7
45°	832.5	957.4	1099.7	1274.8	1489.8	1757.0	2071.4	2428.8	2805.5	3213.0	3600.1
47.5°	770.0	896.9	1035.2	1226.6	1464.2	1762.2	2114.3	2511.6	2931.5	3372.8	3832.5
50°	713.7	836.6	972.8	1165.2	1424.3	1759.1	2153.3	2586.4	3040.0	3498.7	4011.7
52.5°	658.4	783.3	922.5	1105.9	1375.1	1741.7	2171.7	2647.8	3140.3	3625.7	4156.0
55°	604.1	727.0	867.3	1049.5	1310.6	1696.7	2169.7	2687.7	3220.2	3745.5	4295.3
57.5°	540.7	657.3	794.5	987.1	1242.0	1627.0	2139.0	2706.2	3288.8	3864.2	4462.3
60°	461.8	571.4	703.4	895.9	1151.9	1538.0	2074.4	2695.9	3328.8	3952.3	4604.5
62.5°	364.5	459.7	580.6	768.9	1039.3	1410.0	1953.6	2602.8	3265.2	3940.0	4671.1
63°	344.0	434.1	551.9	738.2	991.2	1375.1	1917.8	2566.0	3234.5	3914.4	4661.9
65°	276.5	334.8	429.0	595.9	829.4	1204.1	1739.6	2376.5	3069.7	3734.3	4528.8
67.5°	211.9	241.7	291.8	408.6	586.7	947.1	1408.9	2014.1	2664.2	3288.8	4099.7
70°	181.2	194.5	216.0	271.4	372.7	598.0	989.1	1502.1	2065.2	2606.9	3335.9
72.5°	164.8	171.0	182.2	205.8	256.0	358.3	630.7	977.9	1404.8	1858.4	2421.6
75°	151.5	156.7	165.9	178.1	196.6	238.6	359.4	598.0	913.3	1220.5	1634.1
77.5°	138.2	141.3	151.5	162.8	175.1	196.6	237.6	344.0	525.3	719.8	985.0
80°	127.0	124.9	132.1	150.5	162.8	175.1	187.3	223.3	299.0	394.2	532.5
82.5°	101.4	103.4	109.6	128.0	133.1	130.0	132.1	138.2	166.9	182.2	272.4
85°	68.6	63.4	62.4	64.5	64.5	61.4	61.4	60.4	66.5	75.8	130.0
87.5°	18.4	9.2	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



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	0°
2.5°	1071.0	1070.0	1071.0	1065.9	1065.9	1064.8	1063.8	1061.8	1061.8	1057.7	1060.8	2.5°
5°	1091.4	1089.4	1085.3	1079.2	1076.1	1072.0	1072.0	1067.9	1064.8	1060.8	1061.8	5°
7.5°	1115.1	1116.1	1108.9	1103.8	1101.8	1097.7	1098.7	1092.5	1093.5	1090.4	1088.4	7.5°
10°	1128.4	1128.4	1130.4	1129.4	1131.4	1131.4	1134.5	1130.4	1128.4	1125.3	1125.3	10°
12.5°	1149.9	1154.0	1162.1	1162.1	1168.3	1170.3	1171.4	1173.4	1169.3	1167.3	1160.1	12.5°
15°	1203.1	1213.3	1220.5	1230.7	1243.0	1247.2	1247.2	1243.0	1240.9	1237.9	1224.6	15°
17.5°	1291.2	1313.7	1319.8	1336.2	1338.2	1343.4	1357.7	1349.5	1344.4	1322.9	1318.8	17.5°
20°	1381.2	1410.0	1438.6	1459.1	1469.3	1489.8	1492.8	1488.8	1468.3	1447.8	1438.6	20°
22.5°	1489.8	1532.8	1565.6	1597.3	1612.7	1622.9	1645.4	1640.3	1623.9	1593.2	1580.9	22.5°
25°	1643.4	1696.7	1731.5	1770.3	1790.8	1801.0	1823.5	1823.5	1806.2	1796.9	1795.9	25°
27.5°	1836.9	1902.4	1959.7	1973.0	2026.3	2038.6	2060.1	2060.1	2043.7	2032.5	2086.7	27.5°
30°	2051.9	2120.5	2219.8	2286.4	2350.9	2414.4	2413.3	2417.5	2436.9	2447.2	2470.7	30°
32.5°	2266.9	2351.9	2457.4	2601.8	2740.0	2857.8	3010.3	3107.6	3077.9	2994.9	2962.2	32.5°
35°	2528.0	2622.2	2750.2	2895.6	3148.6	3301.1	3374.8	3427.0	3433.1	3444.5	3468.0	35°
37.5°	2818.8	2976.5	3124.9	3289.8	3430.1	3615.5	3786.4	3923.7	3955.4	4019.8	3983.0	37.5°
40°	3186.4	3362.5	3518.2	3731.2	3919.6	4142.7	4387.5	4575.8	4651.7	4627.1	4442.7	40°
42.5°	3571.4	3789.5	3971.7	4222.6	4467.4	4762.3	5015.1	5278.3	5325.3	5135.9	4860.5	42.5°
45°	3925.7	4196.0	4422.3	4683.4	4982.4	5335.6	5673.5	5943.9	5934.6	5610.0	5241.4	45°
47.5°	4244.1	4575.8	4852.3	5192.2	5513.8	5934.6	6322.6	6522.4	6404.6	6020.6	5569.1	47.5°
50°	4507.3	4921.0	5261.9	5605.9	6014.5	6521.3	6895.0	7007.7	6780.3	6362.6	5887.5	50°
52.5°	4719.2	5238.4	5621.2	6017.5	6533.6	7067.0	7388.6	7346.6	7052.7	6623.7	6150.6	52.5°
55°	4898.4	5481.0	5937.7	6405.6	7045.5	7537.1	7751.0	7638.4	7227.8	6792.6	6330.8	55°
57.5°	5083.8	5716.5	6228.5	6771.1	7483.8	7905.6	8024.4	7793.0	7310.7	6857.2	6408.7	57.5°
60°	5269.1	5913.1	6485.4	7090.6	7815.5	8206.7	8173.9	7827.9	7286.2	6810.1	6356.4	60°
62.5°	5394.0	6029.8	6634.9	7287.2	8064.3	8360.2	8159.6	7704.0	7143.9	6624.7	6200.8	62.5°
63°	5397.1	6033.9	6644.1	7300.5	8092.0	8365.4	8132.0	7659.9	7098.8	6586.8	6154.7	63°
65°	5332.5	5957.2	6562.3	7240.0	8068.4	8247.6	7893.4	7399.9	6841.8	6324.7	5915.1	65°
67.5°	5002.8	5639.8	6174.2	6813.2	7646.6	7697.8	7254.5	6856.1	6354.4	5818.9	5390.9	67.5°
70°	4338.4	4867.7	5391.9	5925.4	6624.7	6615.5	6198.7	5996.0	5556.8	4946.5	4603.5	70°
72.5°	3450.6	3925.7	4294.3	4651.7	5112.4	5019.2	4750.9	4807.3	4522.6	4067.0	3863.2	72.5°
75°	2561.9	3084.0	3264.2	3409.6	3604.2	3605.2	3678.9	3838.6	3834.5	3581.6	3324.7	75°
77.5°	1680.2	2251.5	2312.0	2428.8	2662.2	2979.6	3307.3	3659.5	3747.6	3547.8	3168.0	77.5°
80°	936.8	1530.7	1461.1	1561.5	1813.3	2244.4	2727.7	3116.8	3346.2	3234.5	2832.1	80°
82.5°	479.2	882.6	843.7	983.0	1186.7	1561.5	1880.9	2179.9	2450.2	2434.9	2282.3	82.5°
85°	248.8	483.3	549.9	622.5	724.9	859.1	979.9	1066.9	1179.5	1378.1	1445.8	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	73.8	53.2	146.4	208.8	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°



IUMBER: P181093

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
1061.8	1062.8	1060.8	1060.8	1061.8	1061.8	1059.7
1059.7	1059.7	1057.7	1055.6	1053.6	1053.6	1051.5
1083.3	1083.3	1076.1	1073.0	1067.9	1063.8	1061.8
1118.1	1112.0	1103.8	1097.7	1089.4	1080.2	1075.1
1152.9	1143.7	1133.5	1124.3	1114.1	1103.8	1098.7
1210.2	1198.0	1184.7	1173.4	1159.1	1143.7	1137.6
1298.3	1278.9	1261.5	1245.1	1219.4	1208.2	1195.9
1415.1	1386.3	1363.8	1336.2	1304.5	1294.2	1278.9
1556.4	1531.7	1486.7	1466.2	1434.5	1419.2	1422.2
1771.4	1739.6	1687.5	1667.9	1664.8	1631.1	1614.7
2051.9	2054.0	2005.9	1953.6	1924.9	1871.7	1804.1
2451.3	2423.6	2367.3	2314.1	2246.4	2146.2	2033.5
2934.5	2873.1	2779.9	2680.6	2560.9	2406.2	2248.5
3406.5	3299.1	3150.6	2984.7	2811.6	2619.2	2395.9
3821.2	3654.3	3432.1	3241.7	2996.9	2756.4	2484.0
4200.1	3993.2	3706.5	3459.8	3171.1	2861.9	2539.3
4566.6	4304.5	3953.3	3619.6	3293.0	2932.5	2566.0
4915.8	4577.9	4161.1	3763.9	3382.0	2978.5	2570.1
5184.0	4815.5	4347.6	3868.3	3443.5	3013.4	2570.1
5432.9	5016.1	4489.9	3950.3	3500.8	3036.9	2572.1
5626.4	5157.4	4582.0	4008.6	3545.8	3054.3	2581.3
5766.6	5249.6	4643.5	4044.5	3578.5	3078.9	2601.8
5865.0	5310.0	4677.2	4076.2	3618.5	3121.9	2659.1
5912.0	5421.6	4733.5	4139.7	3687.1	3213.0	2773.8
5876.2	5594.6	4894.3	4247.2	3782.3	3355.4	2957.0
5860.9	5626.4	4938.4	4270.7	3803.8	3386.1	3020.6
5741.1	5658.2	5119.6	4389.5	3906.3	3522.3	3197.7
5369.4	5533.2	5272.1	4590.2	4126.4	3853.0	3528.4
4888.1	5347.9	5244.5	4615.8	4266.6	4124.3	3737.3
4311.7	4787.8	4691.6	4274.8	4112.0	4127.4	3683.0
3393.2	3750.6	3687.1	3540.7	3573.4	3686.1	3154.7
2718.5	2670.3	2523.9	2534.2	2723.6	2855.7	2271.1
2220.9	1798.0	1607.5	1612.7	1943.4	2080.6	1446.8
2113.3	1700.8	1385.3	1210.2	1414.1	1361.8	755.6
1505.1	1508.2	1251.3	1016.8	985.0	837.6	471.0
356.3	285.7	203.7	151.5	159.7	105.5	53.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)