

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: P180993

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180993
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-SLL
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
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

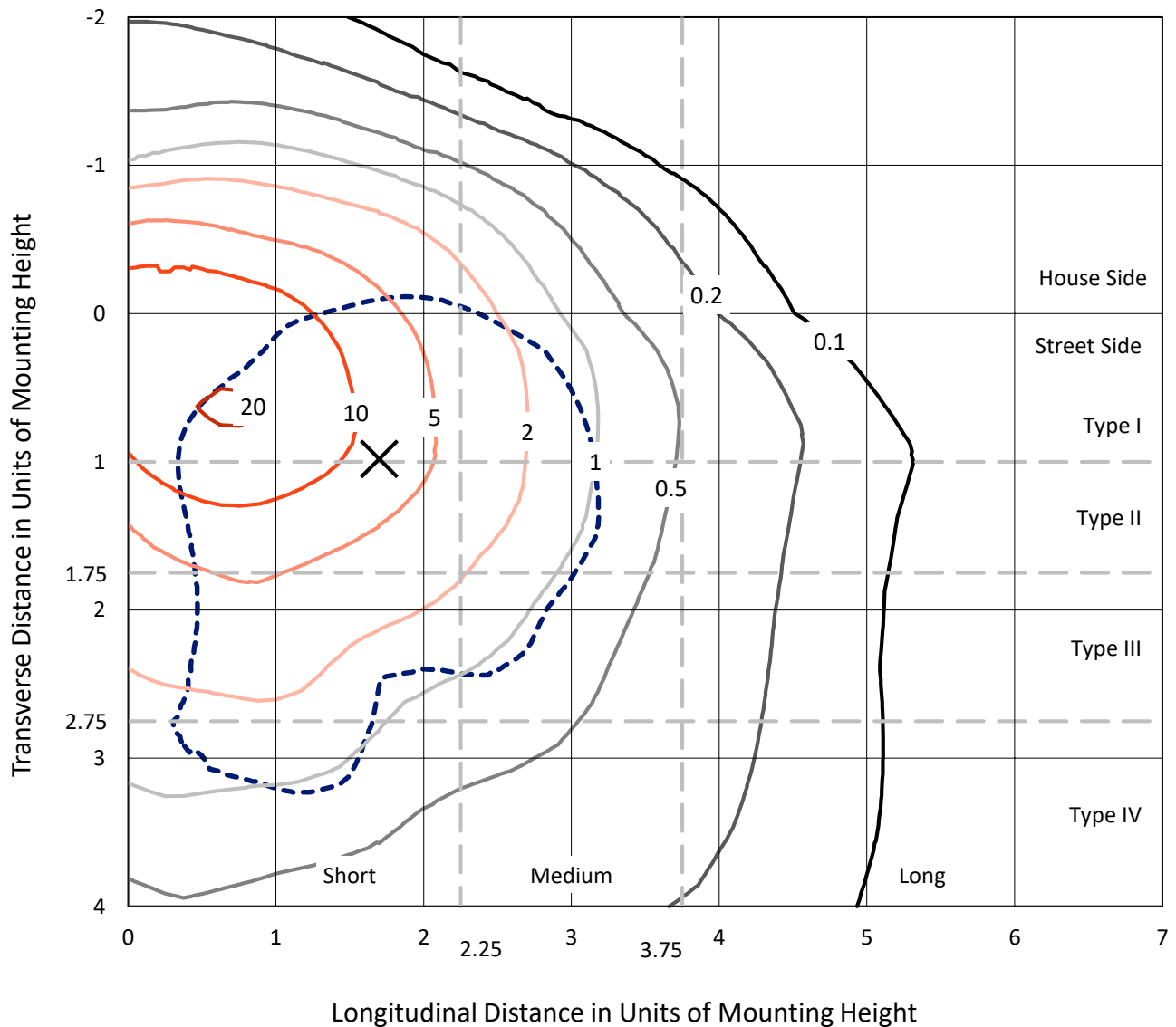
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

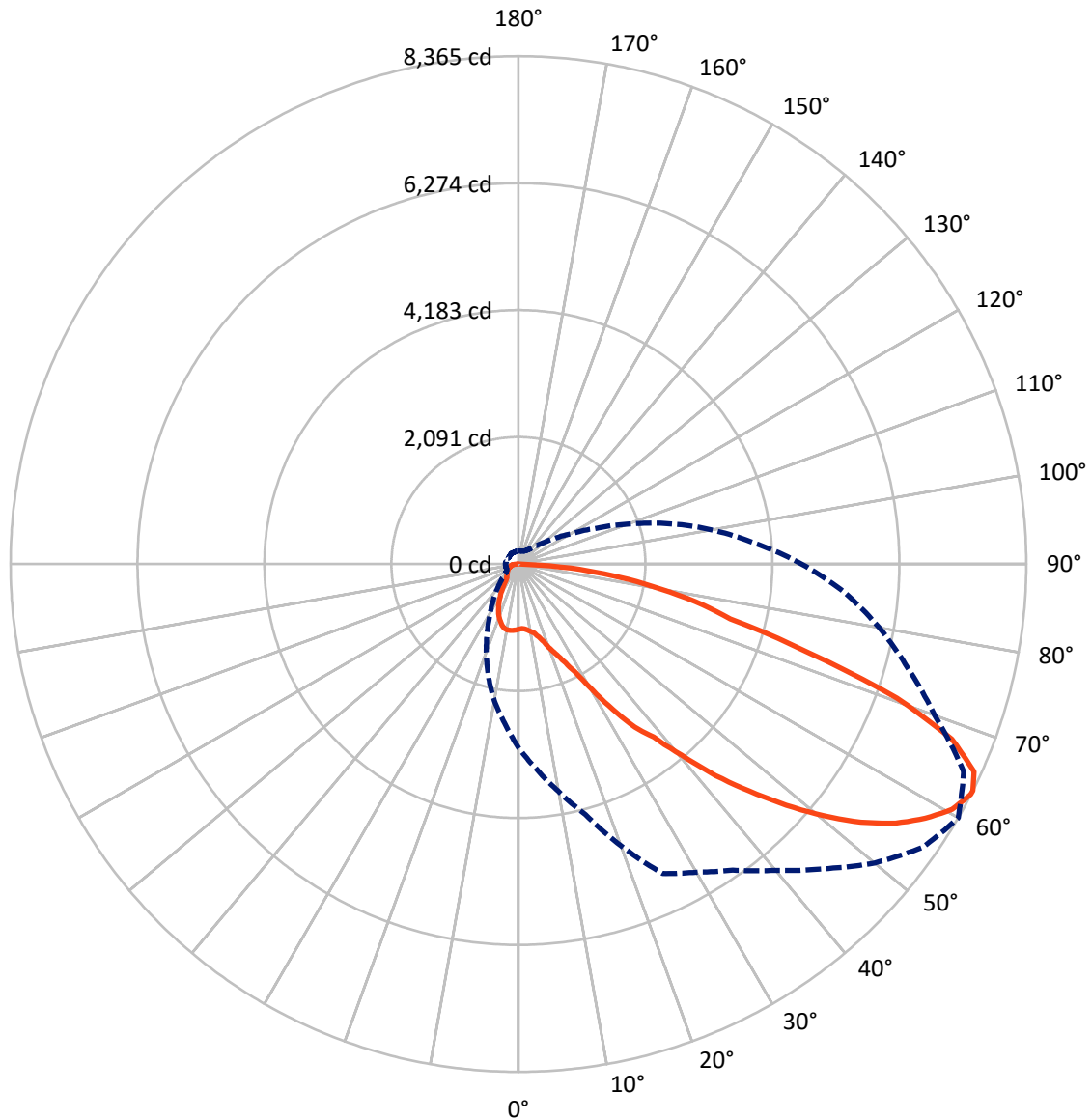
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1853.4	0.0	1853.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6693.6	0.0	6693.6
	% Fixture	78.3	0.0	78.3
Total	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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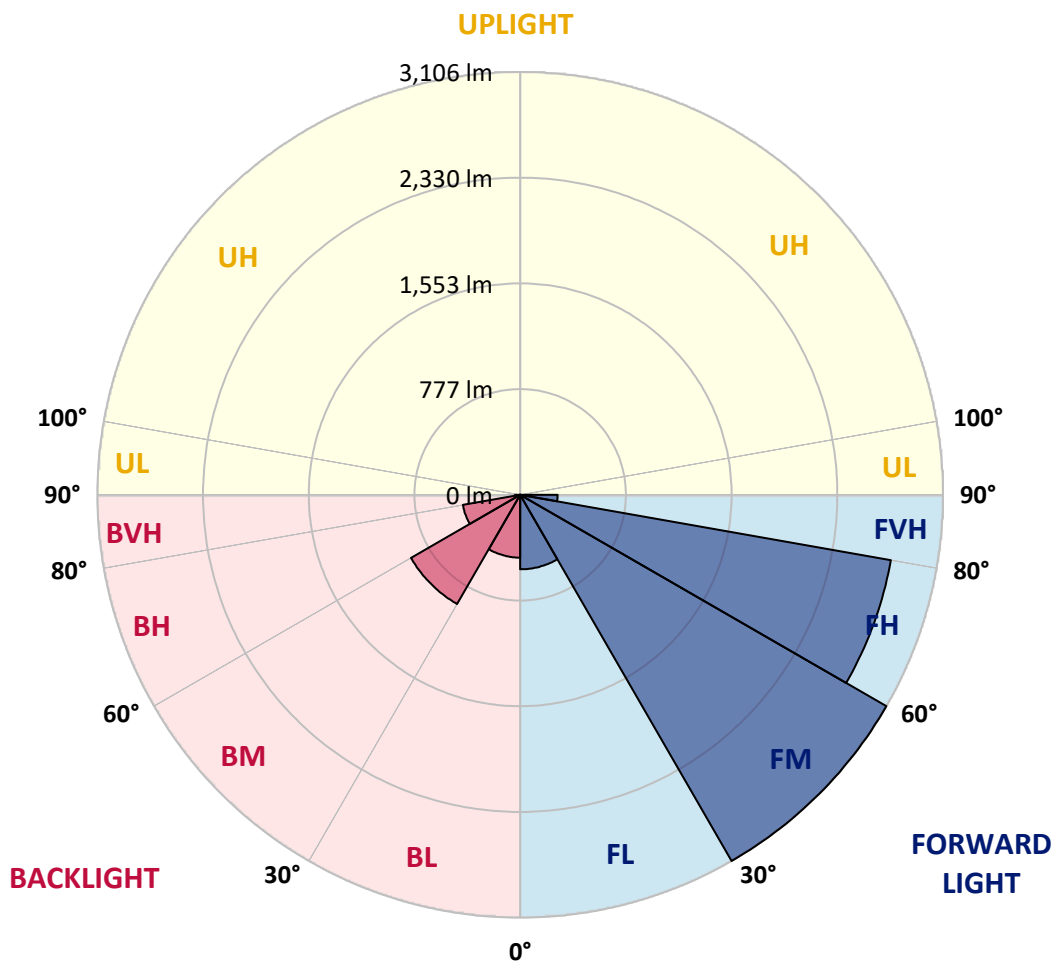
CATALOG NUMBER: ICM-F04-LED-E1-SLL

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	1061.8	1061.8	1060.8	1060.8	1062.8	1061.8	1060.8	1057.7	1061.8	1061.8
5°	1051.5	1053.6	1053.6	1055.6	1057.7	1059.7	1059.7	1061.8	1060.8	1064.8	1067.9
7.5°	1061.8	1063.8	1067.9	1073.0	1076.1	1083.3	1083.3	1088.4	1090.4	1093.5	1092.5
10°	1075.1	1080.2	1089.4	1097.7	1103.8	1112.0	1118.1	1125.3	1125.3	1128.4	1130.4
12.5°	1098.7	1103.8	1114.1	1124.3	1133.5	1143.7	1152.9	1160.1	1167.3	1169.3	1173.4
15°	1137.6	1143.7	1159.1	1173.4	1184.7	1198.0	1210.2	1224.6	1237.9	1240.9	1243.0
17.5°	1195.9	1208.2	1219.4	1245.1	1261.5	1278.9	1298.3	1318.8	1322.9	1344.4	1349.5
20°	1278.9	1294.2	1304.5	1336.2	1363.8	1386.3	1415.1	1438.6	1447.8	1468.3	1488.8
22.5°	1422.2	1419.2	1434.5	1466.2	1486.7	1531.7	1556.4	1580.9	1593.2	1623.9	1640.3
25°	1614.7	1631.1	1664.8	1667.9	1687.5	1739.6	1771.4	1795.9	1796.9	1806.2	1823.5
27.5°	1804.1	1871.7	1924.9	1953.6	2005.9	2054.0	2051.9	2086.7	2032.5	2043.7	2060.1
30°	2033.5	2146.2	2246.4	2314.1	2367.3	2423.6	2451.3	2470.7	2447.2	2436.9	2417.5
32.5°	2248.5	2406.2	2560.9	2680.6	2779.9	2873.1	2934.5	2962.2	2994.9	3077.9	3107.6
35°	2395.9	2619.2	2811.6	2984.7	3150.6	3299.1	3406.5	3468.0	3444.5	3433.1	3427.0
37.5°	2484.0	2756.4	2996.9	3241.7	3432.1	3654.3	3821.2	3983.0	4019.8	3955.4	3923.7
40°	2539.3	2861.9	3171.1	3459.8	3706.5	3993.2	4200.1	4442.7	4627.1	4651.7	4575.8
42.5°	2566.0	2932.5	3293.0	3619.6	3953.3	4304.5	4566.6	4860.5	5135.9	5325.3	5278.3
45°	2570.1	2978.5	3382.0	3763.9	4161.1	4577.9	4915.8	5241.4	5610.0	5934.6	5943.9
47.5°	2570.1	3013.4	3443.5	3868.3	4347.6	4815.5	5184.0	5569.1	6020.6	6404.6	6522.4
50°	2572.1	3036.9	3500.8	3950.3	4489.9	5016.1	5432.9	5887.5	6362.6	6780.3	7007.7
52.5°	2581.3	3054.3	3545.8	4008.6	4582.0	5157.4	5626.4	6150.6	6623.7	7052.7	7346.6
55°	2601.8	3078.9	3578.5	4044.5	4643.5	5249.6	5766.6	6330.8	6792.6	7227.8	7638.4
57.5°	2659.1	3121.9	3618.5	4076.2	4677.2	5310.0	5865.0	6408.7	6857.2	7310.7	7793.0
60°	2773.8	3213.0	3687.1	4139.7	4733.5	5421.6	5912.0	6356.4	6810.1	7286.2	7827.9
62.5°	2957.0	3355.4	3782.3	4247.2	4894.3	5594.6	5876.2	6200.8	6624.7	7143.9	7704.0
63°	3020.6	3386.1	3803.8	4270.7	4938.4	5626.4	5860.9	6154.7	6586.8	7098.8	7659.9
65°	3197.7	3522.3	3906.3	4389.5	5119.6	5658.2	5741.1	5915.1	6324.7	6841.8	7399.9
67.5°	3528.4	3853.0	4126.4	4590.2	5272.1	5533.2	5369.4	5390.9	5818.9	6354.4	6856.1
70°	3737.3	4124.3	4266.6	4615.8	5244.5	5347.9	4888.1	4603.5	4946.5	5556.8	5996.0
72.5°	3683.0	4127.4	4112.0	4274.8	4691.6	4787.8	4311.7	3863.2	4067.0	4522.6	4807.3
75°	3154.7	3686.1	3573.4	3540.7	3687.1	3750.6	3393.2	3324.7	3581.6	3834.5	3838.6
77.5°	2271.1	2855.7	2723.6	2534.2	2523.9	2670.3	2718.5	3168.0	3547.8	3747.6	3659.5
80°	1446.8	2080.6	1943.4	1612.7	1607.5	1798.0	2220.9	2832.1	3234.5	3346.2	3116.8
82.5°	755.6	1361.8	1414.1	1210.2	1385.3	1700.8	2113.3	2282.3	2434.9	2450.2	2179.9
85°	471.0	837.6	985.0	1016.8	1251.3	1508.2	1505.1	1445.8	1378.1	1179.5	1066.9
87.5°	53.2	105.5	159.7	151.5	203.7	285.7	356.3	208.8	146.4	53.2	73.8
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):

	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°	1063.8	1064.8	1065.9	1065.9	1071.0	1070.0	1071.0	1073.0	1076.1	1078.1	1080.2
5°	1072.0	1072.0	1076.1	1079.2	1085.3	1089.4	1091.4	1097.7	1104.8	1102.8	1108.9
7.5°	1098.7	1097.7	1101.8	1103.8	1108.9	1116.1	1115.1	1120.2	1126.3	1128.4	1133.5
10°	1134.5	1131.4	1131.4	1129.4	1130.4	1128.4	1128.4	1128.4	1132.5	1131.4	1135.5
12.5°	1171.4	1170.3	1168.3	1162.1	1162.1	1154.0	1149.9	1144.8	1143.7	1136.6	1137.6
15°	1247.2	1247.2	1243.0	1230.7	1220.5	1213.3	1203.1	1195.9	1185.7	1172.4	1165.2
17.5°	1357.7	1343.4	1338.2	1336.2	1319.8	1313.7	1291.2	1267.6	1256.4	1237.9	1227.6
20°	1492.8	1489.8	1469.3	1459.1	1438.6	1410.0	1381.2	1350.5	1332.1	1309.6	1297.3
22.5°	1645.4	1622.9	1612.7	1597.3	1565.6	1532.8	1489.8	1448.8	1420.2	1404.8	1395.6
25°	1823.5	1801.0	1790.8	1770.3	1731.5	1696.7	1643.4	1595.3	1569.7	1544.1	1529.7
27.5°	2060.1	2038.6	2026.3	1973.0	1959.7	1902.4	1836.9	1771.4	1737.6	1699.7	1675.1
30°	2413.3	2414.4	2350.9	2286.4	2219.8	2120.5	2051.9	1978.2	1922.9	1868.7	1814.3
32.5°	3010.3	2857.8	2740.0	2601.8	2457.4	2351.9	2266.9	2178.9	2102.1	2023.3	1933.1
35°	3374.8	3301.1	3148.6	2895.6	2750.2	2622.2	2528.0	2421.6	2327.4	2188.1	2050.9
37.5°	3786.4	3615.5	3430.1	3289.8	3124.9	2976.5	2818.8	2698.0	2535.2	2347.8	2153.3
40°	4387.5	4142.7	3919.6	3731.2	3518.2	3362.5	3186.4	3011.4	2795.3	2523.9	2256.7
42.5°	5015.1	4762.3	4467.4	4222.6	3971.7	3789.5	3571.4	3325.7	3008.3	2672.4	2345.8
45°	5673.5	5335.6	4982.4	4683.4	4422.3	4196.0	3925.7	3600.1	3213.0	2805.5	2428.8
47.5°	6322.6	5934.6	5513.8	5192.2	4852.3	4575.8	4244.1	3832.5	3372.8	2931.5	2511.6
50°	6895.0	6521.3	6014.5	5605.9	5261.9	4921.0	4507.3	4011.7	3498.7	3040.0	2586.4
52.5°	7388.6	7067.0	6533.6	6017.5	5621.2	5238.4	4719.2	4156.0	3625.7	3140.3	2647.8
55°	7751.0	7537.1	7045.5	6405.6	5937.7	5481.0	4898.4	4295.3	3745.5	3220.2	2687.7
57.5°	8024.4	7905.6	7483.8	6771.1	6228.5	5716.5	5083.8	4462.3	3864.2	3288.8	2706.2
60°	8173.9	8206.7	7815.5	7090.6	6485.4	5913.1	5269.1	4604.5	3952.3	3328.8	2695.9
62.5°	8159.6	8360.2	8064.3	7287.2	6634.9	6029.8	5394.0	4671.1	3940.0	3265.2	2602.8
63°	8132.0	8365.4	8092.0	7300.5	6644.1	6033.9	5397.1	4661.9	3914.4	3234.5	2566.0
65°	7893.4	8247.6	8068.4	7240.0	6562.3	5957.2	5332.5	4528.8	3734.3	3069.7	2376.5
67.5°	7254.5	7697.8	7646.6	6813.2	6174.2	5639.8	5002.8	4099.7	3288.8	2664.2	2014.1
70°	6198.7	6615.5	6624.7	5925.4	5391.9	4867.7	4338.4	3335.9	2606.9	2065.2	1502.1
72.5°	4750.9	5019.2	5112.4	4651.7	4294.3	3925.7	3450.6	2421.6	1858.4	1404.8	977.9
75°	3678.9	3605.2	3604.2	3409.6	3264.2	3084.0	2561.9	1634.1	1220.5	913.3	598.0
77.5°	3307.3	2979.6	2662.2	2428.8	2312.0	2251.5	1680.2	985.0	719.8	525.3	344.0
80°	2727.7	2244.4	1813.3	1561.5	1461.1	1530.7	936.8	532.5	394.2	299.0	223.3
82.5°	1880.9	1561.5	1186.7	983.0	843.7	882.6	479.2	272.4	182.2	166.9	138.2
85°	979.9	859.1	724.9	622.5	549.9	483.3	248.8	130.0	75.8	66.5	60.4
87.5°	0.0	1.0	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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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°	1083.3	1082.2	1084.3	1085.3	1088.4	1090.4	1091.4	1089.4	1092.5	1095.5	1093.5
5°	1112.0	1119.2	1120.2	1123.3	1123.3	1129.4	1129.4	1129.4	1128.4	1129.4	1127.4
7.5°	1136.6	1145.8	1146.8	1150.9	1151.9	1159.1	1156.0	1158.1	1158.1	1152.9	1150.9
10°	1139.6	1148.8	1154.0	1159.1	1166.2	1175.4	1175.4	1180.6	1180.6	1176.5	1175.4
12.5°	1140.7	1147.8	1152.9	1160.1	1170.3	1183.6	1190.8	1198.0	1201.0	1200.0	1196.9
15°	1162.1	1162.1	1163.2	1169.3	1176.5	1192.8	1203.1	1211.3	1216.4	1214.3	1209.2
17.5°	1218.4	1210.2	1204.1	1193.9	1195.9	1204.1	1210.2	1217.4	1218.4	1216.4	1208.2
20°	1284.0	1273.8	1258.4	1242.0	1233.8	1227.6	1223.5	1223.5	1220.5	1210.2	1196.9
22.5°	1377.1	1363.8	1342.3	1317.8	1301.4	1282.0	1258.4	1235.8	1211.3	1186.7	1158.1
25°	1506.1	1487.7	1465.2	1427.4	1392.6	1351.5	1303.4	1253.3	1194.9	1143.7	1101.8
27.5°	1636.2	1595.3	1536.9	1484.7	1420.2	1358.7	1290.1	1228.7	1154.0	1092.5	1046.4
30°	1743.7	1665.9	1582.0	1499.0	1414.1	1331.1	1249.2	1175.4	1093.5	1031.1	986.1
32.5°	1826.6	1719.2	1602.4	1493.9	1389.4	1288.1	1193.9	1112.0	1029.0	964.6	916.4
35°	1903.5	1754.0	1605.5	1471.4	1342.3	1236.8	1130.4	1041.3	953.3	885.7	833.5
37.5°	1960.8	1770.3	1587.1	1429.4	1280.9	1163.2	1054.6	963.5	873.4	799.6	740.3
40°	1997.7	1760.1	1547.2	1368.9	1208.2	1084.3	973.8	879.5	792.5	711.6	639.9
42.5°	2027.4	1746.8	1507.2	1313.7	1150.9	1015.7	902.1	800.7	712.7	624.6	545.8
45°	2071.4	1757.0	1489.8	1274.8	1099.7	957.4	832.5	727.0	634.8	548.8	473.0
47.5°	2114.3	1762.2	1464.2	1226.6	1035.2	896.9	770.0	667.6	573.4	494.5	424.9
50°	2153.3	1759.1	1424.3	1165.2	972.8	836.6	713.7	611.3	518.1	445.4	379.9
52.5°	2171.7	1741.7	1375.1	1105.9	922.5	783.3	658.4	559.1	466.9	398.3	337.9
55°	2169.7	1696.7	1310.6	1049.5	867.3	727.0	604.1	505.8	422.9	359.4	307.2
57.5°	2139.0	1627.0	1242.0	987.1	794.5	657.3	540.7	445.4	375.8	322.5	278.5
60°	2074.4	1538.0	1151.9	895.9	703.4	571.4	461.8	379.9	323.5	282.6	254.0
62.5°	1953.6	1410.0	1039.3	768.9	580.6	459.7	364.5	311.3	269.3	244.7	231.4
63°	1917.8	1375.1	991.2	738.2	551.9	434.1	344.0	288.7	258.0	236.6	224.3
65°	1739.6	1204.1	829.4	595.9	429.0	334.8	276.5	234.5	216.0	206.8	205.8
67.5°	1408.9	947.1	586.7	408.6	291.8	241.7	211.9	194.5	186.3	184.3	186.3
70°	989.1	598.0	372.7	271.4	216.0	194.5	181.2	174.0	168.9	170.0	172.0
72.5°	630.7	358.3	256.0	205.8	182.2	171.0	164.8	162.8	161.8	160.7	160.7
75°	359.4	238.6	196.6	178.1	165.9	156.7	151.5	149.5	150.5	151.5	149.5
77.5°	237.6	196.6	175.1	162.8	151.5	141.3	138.2	137.2	139.3	141.3	141.3
80°	187.3	175.1	162.8	150.5	132.1	124.9	127.0	128.0	127.0	128.0	124.9
82.5°	132.1	130.0	133.1	128.0	109.6	103.4	101.4	102.4	100.4	100.4	98.3
85°	61.4	61.4	64.5	64.5	62.4	63.4	68.6	74.8	77.9	74.8	70.6
87.5°	0.0	0.0	0.0	0.0	0.0	9.2	18.4	26.6	28.7	35.8	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



REPORT NUMBER: P180993

CATALOG NUMBER: ICM-F04-LED-E1-SLL

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°	1090.4	1092.5	1091.4	1090.4	1092.5	1090.4	1091.4	1090.4	1090.4	1089.4	1089.4
5°	1125.3	1128.4	1122.2	1121.2	1119.2	1114.1	1114.1	1112.0	1112.0	1107.9	1104.8
7.5°	1147.8	1148.8	1143.7	1142.7	1137.6	1132.5	1128.4	1124.3	1123.3	1120.2	1114.1
10°	1169.3	1167.3	1163.2	1158.1	1152.9	1145.8	1140.7	1135.5	1134.5	1129.4	1122.2
12.5°	1187.7	1186.7	1178.5	1173.4	1165.2	1158.1	1151.9	1145.8	1142.7	1136.6	1126.3
15°	1200.0	1193.9	1183.6	1174.4	1165.2	1157.0	1149.9	1142.7	1139.6	1132.5	1122.2
17.5°	1194.9	1183.6	1170.3	1159.1	1146.8	1136.6	1130.4	1123.3	1118.1	1114.1	1099.7
20°	1176.5	1160.1	1139.6	1126.3	1110.0	1096.6	1092.5	1085.3	1081.2	1065.9	1047.4
22.5°	1128.4	1104.8	1079.2	1059.7	1041.3	1028.0	1017.8	1010.6	1000.4	991.2	962.5
25°	1067.9	1041.3	1014.7	991.2	966.6	946.1	927.6	910.2	905.1	885.7	858.1
27.5°	1009.6	979.9	953.3	925.6	893.9	868.3	836.6	812.0	795.5	775.1	749.5
30°	947.1	917.4	881.6	844.7	807.9	780.2	744.4	714.7	694.2	672.7	649.1
32.5°	868.3	832.5	789.4	748.5	714.7	682.0	646.1	617.4	596.9	577.5	555.0
35°	778.1	731.1	685.0	639.9	604.1	576.5	544.7	523.3	508.8	491.4	467.9
37.5°	674.8	621.5	572.4	537.6	505.8	479.2	456.7	443.4	428.0	418.8	404.5
40°	570.3	518.1	470.0	438.2	411.6	396.3	384.0	380.9	370.7	358.3	349.1
42.5°	478.1	428.0	380.9	355.3	337.9	333.8	327.6	327.6	322.5	313.3	307.2
45°	415.7	363.4	322.5	304.1	294.9	293.9	290.8	290.8	289.8	285.7	278.5
47.5°	370.7	323.5	291.8	280.6	278.5	276.5	273.4	272.4	271.4	268.3	264.2
50°	329.7	289.8	269.3	264.2	265.2	262.1	259.1	256.0	255.0	251.9	247.8
52.5°	291.8	263.2	249.9	246.8	246.8	246.8	244.7	244.7	242.7	241.7	237.6
55°	270.3	248.8	241.7	240.7	239.6	238.6	236.6	236.6	234.5	233.5	228.4
57.5°	251.9	238.6	234.5	232.5	231.4	229.4	228.4	228.4	228.4	228.4	222.2
60°	237.6	231.4	230.4	228.4	227.4	223.3	221.2	220.2	221.2	222.2	216.0
62.5°	222.2	221.2	220.2	218.0	217.0	212.9	209.9	207.8	209.9	211.9	210.9
63°	218.0	217.0	217.0	216.0	215.0	209.9	206.8	204.7	206.8	208.8	208.8
65°	203.7	204.7	204.7	203.7	202.7	199.6	195.5	193.5	194.5	197.6	198.6
67.5°	188.4	189.4	188.4	189.4	188.4	186.3	183.3	181.2	180.2	181.2	182.2
70°	174.0	176.1	175.1	174.0	173.0	173.0	171.0	167.9	166.9	165.9	165.9
72.5°	161.8	161.8	159.7	159.7	158.7	158.7	156.7	153.6	152.6	152.6	150.5
75°	148.5	148.5	145.4	145.4	143.3	144.4	142.3	139.3	138.2	138.2	137.2
77.5°	140.3	137.2	132.1	131.1	130.0	130.0	129.0	126.0	124.9	124.9	123.9
80°	123.9	117.8	112.7	111.6	112.7	114.7	114.7	112.7	112.7	112.7	112.7
82.5°	96.3	94.2	91.2	89.1	89.1	92.2	96.3	98.3	100.4	102.4	102.4
85°	70.6	71.6	70.6	67.5	66.5	69.6	73.8	77.9	78.9	83.0	82.0
87.5°	37.9	38.9	35.8	34.8	37.9	39.9	44.0	45.0	47.1	48.1	49.1
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: ICM-F04-LED-E1-SLL

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°	1088.4	1087.4	1088.4	1086.3	1086.3	1084.3	1082.2	1081.2	1079.2	1078.1	1076.1
5°	1106.9	1103.8	1100.8	1099.7	1095.5	1091.4	1088.4	1083.3	1079.2	1072.0	1070.0
7.5°	1119.2	1112.0	1107.9	1106.9	1100.8	1097.7	1090.4	1084.3	1078.1	1068.9	1065.9
10°	1124.3	1117.1	1110.0	1106.9	1099.7	1094.5	1087.4	1078.1	1073.0	1063.8	1061.8
12.5°	1130.4	1117.1	1105.9	1097.7	1087.4	1076.1	1068.9	1063.8	1056.7	1051.5	1049.5
15°	1119.2	1101.8	1084.3	1068.9	1052.6	1040.3	1033.1	1024.9	1016.8	1013.7	1013.7
17.5°	1088.4	1065.9	1036.2	1016.8	999.4	986.1	976.8	968.7	967.6	963.5	965.6
20°	1024.9	995.3	966.6	952.3	942.0	933.8	924.6	920.5	917.4	911.3	909.2
22.5°	936.8	912.3	891.8	881.6	873.4	863.2	855.0	842.7	839.6	833.5	830.4
25°	839.6	820.2	802.7	795.5	790.4	776.1	771.0	754.6	743.4	736.2	740.3
27.5°	742.3	728.0	711.6	702.4	699.4	686.1	680.9	662.5	653.2	653.2	643.0
30°	642.0	628.7	618.4	608.2	606.1	589.8	576.5	569.3	559.1	555.0	547.8
32.5°	547.8	534.5	526.3	521.2	513.0	499.6	486.3	474.0	457.7	451.5	448.5
35°	460.7	450.5	440.3	436.2	424.9	410.6	394.2	384.0	364.5	357.3	354.2
37.5°	394.2	382.0	374.8	363.4	352.2	336.8	324.6	315.4	308.2	305.1	305.1
40°	340.9	331.7	323.5	314.3	305.1	296.9	290.8	288.7	287.7	287.7	289.8
42.5°	301.0	292.8	288.7	283.6	280.6	280.6	279.5	280.6	281.6	282.6	285.7
45°	274.4	269.3	267.3	266.2	268.3	270.3	271.4	273.4	277.5	279.5	280.6
47.5°	260.1	256.0	255.0	256.0	259.1	263.2	267.3	270.3	273.4	274.4	275.4
50°	245.8	240.7	238.6	240.7	244.7	250.9	254.0	259.1	261.1	263.2	261.1
52.5°	233.5	229.4	228.4	228.4	232.5	236.6	240.7	244.7	245.8	245.8	244.7
55°	223.3	220.2	217.0	219.1	222.2	226.3	232.5	235.5	237.6	238.6	238.6
57.5°	215.0	211.9	208.8	210.9	214.0	218.0	224.3	227.4	229.4	232.5	233.5
60°	208.8	204.7	201.7	204.7	207.8	214.0	219.1	222.2	227.4	228.4	228.4
62.5°	202.7	198.6	193.5	196.6	196.6	199.6	204.7	208.8	214.0	216.0	216.0
63°	201.7	197.6	192.5	194.5	194.5	196.6	200.7	204.7	210.9	212.9	211.9
65°	193.5	192.5	187.3	187.3	185.3	187.3	190.4	194.5	197.6	200.7	200.7
67.5°	180.2	179.2	178.1	178.1	178.1	180.2	182.2	185.3	188.4	190.4	189.4
70°	164.8	164.8	164.8	165.9	165.9	167.9	168.9	167.9	171.0	173.0	172.0
72.5°	151.5	150.5	149.5	151.5	150.5	150.5	152.6	151.5	154.6	154.6	155.6
75°	137.2	136.2	136.2	137.2	135.2	133.1	134.1	134.1	135.2	135.2	137.2
77.5°	124.9	124.9	124.9	123.9	121.9	120.8	119.8	119.8	119.8	119.8	120.8
80°	113.7	113.7	113.7	112.7	110.6	108.6	106.5	105.5	104.5	99.3	99.3
82.5°	102.4	102.4	102.4	102.4	101.4	99.3	96.3	88.1	84.0	79.9	80.9
85°	80.9	83.0	85.0	88.1	87.1	87.1	80.9	70.6	64.5	60.4	61.4
87.5°	52.2	46.0	46.0	45.0	43.0	40.9	40.9	34.8	28.7	25.6	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-SLL

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°	1076.1	1074.1	1072.0	1072.0	1068.9	1068.9	1066.9	1071.0	1066.9	1063.8	1063.8	2.5°
5°	1067.9	1065.9	1059.7	1058.7	1054.6	1054.6	1054.6	1052.6	1052.6	1050.5	1049.5	5°
7.5°	1062.8	1057.7	1052.6	1049.5	1049.5	1047.4	1051.5	1049.5	1050.5	1050.5	1051.5	7.5°
10°	1058.7	1054.6	1052.6	1051.5	1051.5	1054.6	1057.7	1058.7	1057.7	1058.7	1058.7	10°
12.5°	1048.5	1050.5	1051.5	1055.6	1060.8	1066.9	1074.1	1075.1	1077.1	1077.1	1079.2	12.5°
15°	1015.7	1020.8	1027.0	1037.2	1050.5	1063.8	1077.1	1088.4	1098.7	1103.8	1107.9	15°
17.5°	969.7	974.8	986.1	997.3	1014.7	1034.1	1056.7	1076.1	1097.7	1117.1	1136.6	17.5°
20°	907.2	915.4	918.4	938.9	959.4	986.1	1012.7	1043.4	1080.2	1117.1	1155.0	20°
22.5°	826.3	835.5	849.9	866.2	887.7	920.5	952.3	1000.4	1049.5	1101.8	1161.1	22.5°
25°	736.2	746.4	758.7	776.1	797.6	832.5	878.5	929.7	990.1	1058.7	1132.5	25°
27.5°	643.0	653.2	663.5	675.8	700.4	737.2	791.4	844.7	911.3	986.1	1072.0	27.5°
30°	549.9	550.9	557.0	572.4	598.0	646.1	686.1	752.6	822.2	901.0	1000.4	30°
32.5°	447.4	446.4	453.6	466.9	491.4	537.6	586.7	651.2	719.8	819.2	921.5	32.5°
35°	356.3	356.3	369.7	383.0	410.6	443.4	486.3	543.7	624.6	716.7	819.2	35°
37.5°	308.2	315.4	323.5	336.8	358.3	384.0	421.9	472.0	535.5	623.5	717.8	37.5°
40°	292.8	296.9	304.1	316.4	334.8	358.3	386.0	423.9	473.0	543.7	629.7	40°
42.5°	286.7	287.7	291.8	301.0	317.4	340.9	369.7	403.4	440.3	490.4	565.2	42.5°
45°	280.6	279.5	281.6	288.7	302.0	328.7	361.4	398.3	435.2	477.1	538.6	45°
47.5°	275.4	275.4	275.4	278.5	290.8	317.4	355.3	398.3	442.3	489.4	549.9	47.5°
50°	261.1	260.1	260.1	262.1	271.4	300.0	345.0	397.3	454.6	516.1	584.7	50°
52.5°	244.7	244.7	245.8	246.8	255.0	283.6	333.8	397.3	468.9	550.9	636.8	52.5°
55°	239.6	240.7	241.7	240.7	246.8	271.4	321.5	391.2	475.1	578.5	693.2	55°
57.5°	235.5	237.6	237.6	236.6	240.7	261.1	309.2	378.9	470.0	588.7	733.1	57.5°
60°	229.4	229.4	229.4	226.3	228.4	246.8	290.8	359.4	453.6	579.5	739.3	60°
62.5°	216.0	216.0	214.0	212.9	211.9	226.3	266.2	330.7	423.9	555.0	723.9	62.5°
63°	212.9	211.9	211.9	208.8	208.8	222.2	261.1	326.6	415.7	548.8	717.8	63°
65°	201.7	201.7	201.7	199.6	198.6	208.8	240.7	298.0	384.0	520.2	687.1	65°
67.5°	189.4	190.4	188.4	187.3	186.3	192.5	217.0	262.1	334.8	459.7	629.7	67.5°
70°	172.0	173.0	173.0	172.0	171.0	175.1	190.4	225.3	277.5	383.0	536.6	70°
72.5°	156.7	158.7	158.7	160.7	160.7	163.8	170.0	187.3	222.2	299.0	421.9	72.5°
75°	140.3	141.3	143.3	145.4	143.3	142.3	143.3	156.7	174.0	221.2	301.0	75°
77.5°	126.0	129.0	129.0	128.0	124.9	122.9	122.9	129.0	143.3	167.9	215.0	77.5°
80°	104.5	109.6	110.6	107.5	104.5	104.5	106.5	110.6	119.8	138.2	162.8	80°
82.5°	84.0	89.1	90.1	91.2	90.1	93.2	93.2	94.2	99.3	113.7	133.1	82.5°
85°	64.5	68.6	71.6	72.7	73.8	74.8	73.8	68.6	71.6	80.9	90.1	85°
87.5°	28.7	29.7	27.6	28.7	27.6	28.7	29.7	24.6	23.5	31.7	32.7	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: P180993

NUMBER: ICM-F04-LED-E1-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1074.1	1074.1	1074.1	1074.1	1074.1	1074.1	1074.1
1062.8	1062.8	1063.8	1061.8	1061.8	1062.8	1059.7
1046.4	1050.5	1050.5	1050.5	1048.5	1050.5	1051.5
1050.5	1053.6	1055.6	1055.6	1054.6	1058.7	1061.8
1055.6	1060.8	1062.8	1062.8	1062.8	1067.9	1075.1
1075.1	1079.2	1082.2	1082.2	1084.3	1090.4	1098.7
1111.0	1116.1	1116.1	1115.1	1121.2	1128.4	1137.6
1150.9	1165.2	1172.4	1171.4	1176.5	1185.7	1195.9
1188.8	1228.7	1246.1	1258.4	1263.5	1275.8	1278.9
1220.5	1287.1	1335.2	1376.1	1395.6	1407.9	1422.2
1209.2	1299.4	1385.3	1469.3	1528.7	1589.1	1614.7
1163.2	1275.8	1388.4	1511.3	1618.8	1726.3	1804.1
1106.9	1242.0	1393.6	1567.6	1737.6	1902.4	2033.5
1042.3	1210.2	1404.8	1619.8	1843.1	2059.1	2248.5
961.5	1149.9	1377.1	1624.9	1888.1	2150.2	2395.9
859.1	1067.9	1312.7	1588.1	1890.2	2190.2	2484.0
756.7	964.6	1230.7	1534.8	1863.5	2199.4	2539.3
685.0	872.4	1147.8	1467.3	1820.5	2185.0	2566.0
635.8	805.9	1074.1	1405.9	1774.4	2159.5	2570.1
631.7	777.1	1026.0	1360.8	1737.6	2136.9	2570.1
666.6	792.5	1009.6	1338.2	1722.2	2129.8	2572.1
732.1	854.0	1039.3	1355.6	1734.5	2139.0	2581.3
811.0	947.1	1119.2	1416.1	1786.7	2169.7	2601.8
882.6	1054.6	1255.4	1532.8	1882.0	2247.5	2659.1
924.6	1146.8	1399.7	1696.7	2044.8	2402.1	2773.8
929.7	1198.0	1527.6	1874.8	2242.3	2579.3	2957.0
925.6	1202.1	1544.1	1908.6	2284.4	2623.3	3020.6
903.1	1203.1	1590.1	2027.4	2429.8	2808.6	3197.7
845.8	1170.3	1606.5	2120.5	2613.0	3052.3	3528.4
746.4	1077.1	1558.4	2122.6	2683.6	3188.5	3737.3
600.0	900.0	1350.5	1931.1	2497.3	3054.3	3683.0
439.3	661.5	1020.8	1495.9	2037.6	2542.3	3154.7
291.8	428.0	688.1	1065.9	1461.1	1829.8	2271.1
200.7	265.2	402.4	640.9	893.9	1073.0	1446.8
147.4	175.1	223.3	327.6	430.0	529.4	755.6
92.2	100.4	111.6	161.8	231.4	312.3	471.0
24.6	25.6	23.5	31.7	50.1	48.1	53.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)