

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: P180992

Luminaire Tested: **ICM-F04-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180992
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-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7806.4 lumens
Efficiency: N/A
Efficacy: 76.4 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

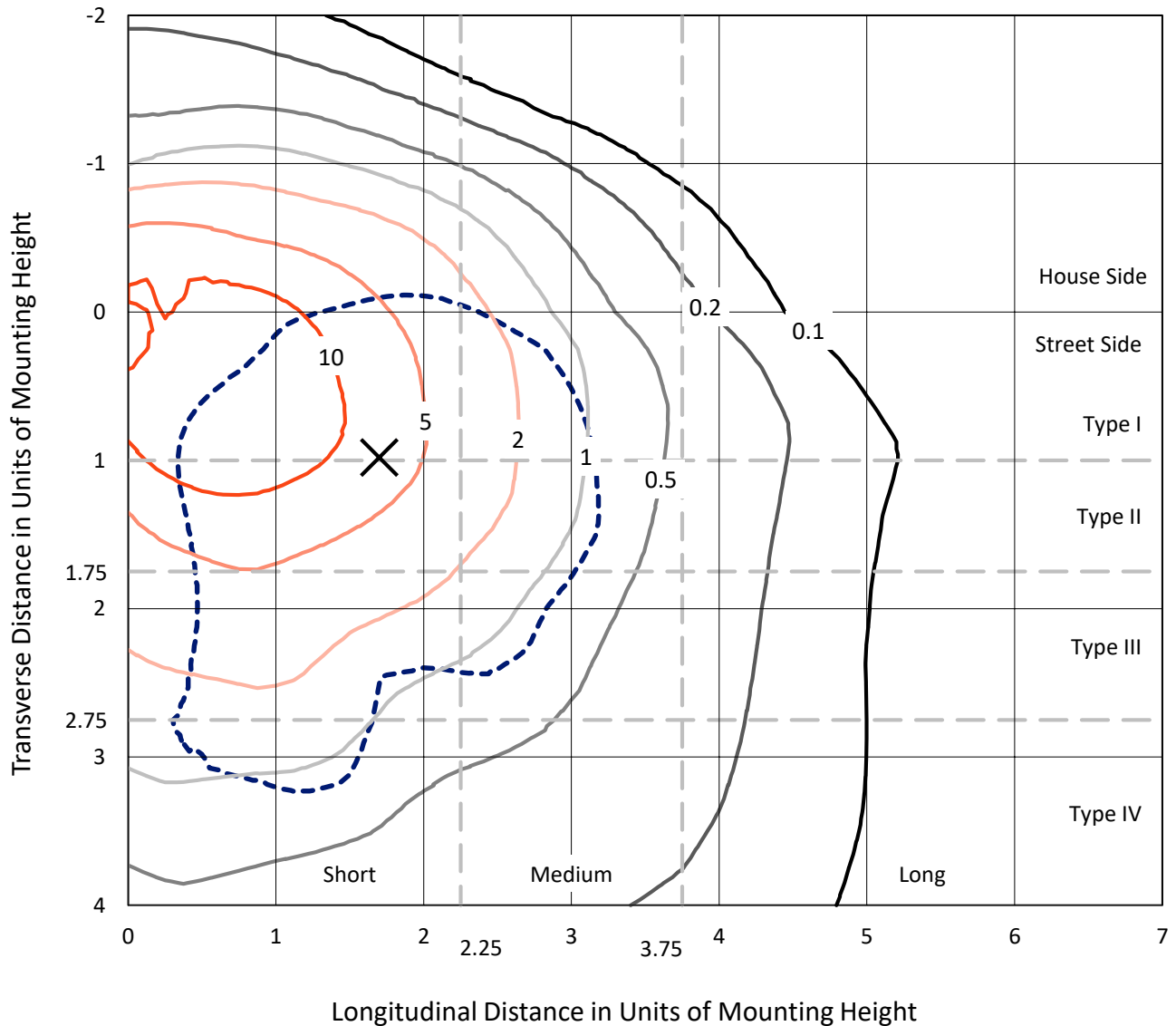


REPORT NUMBER: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

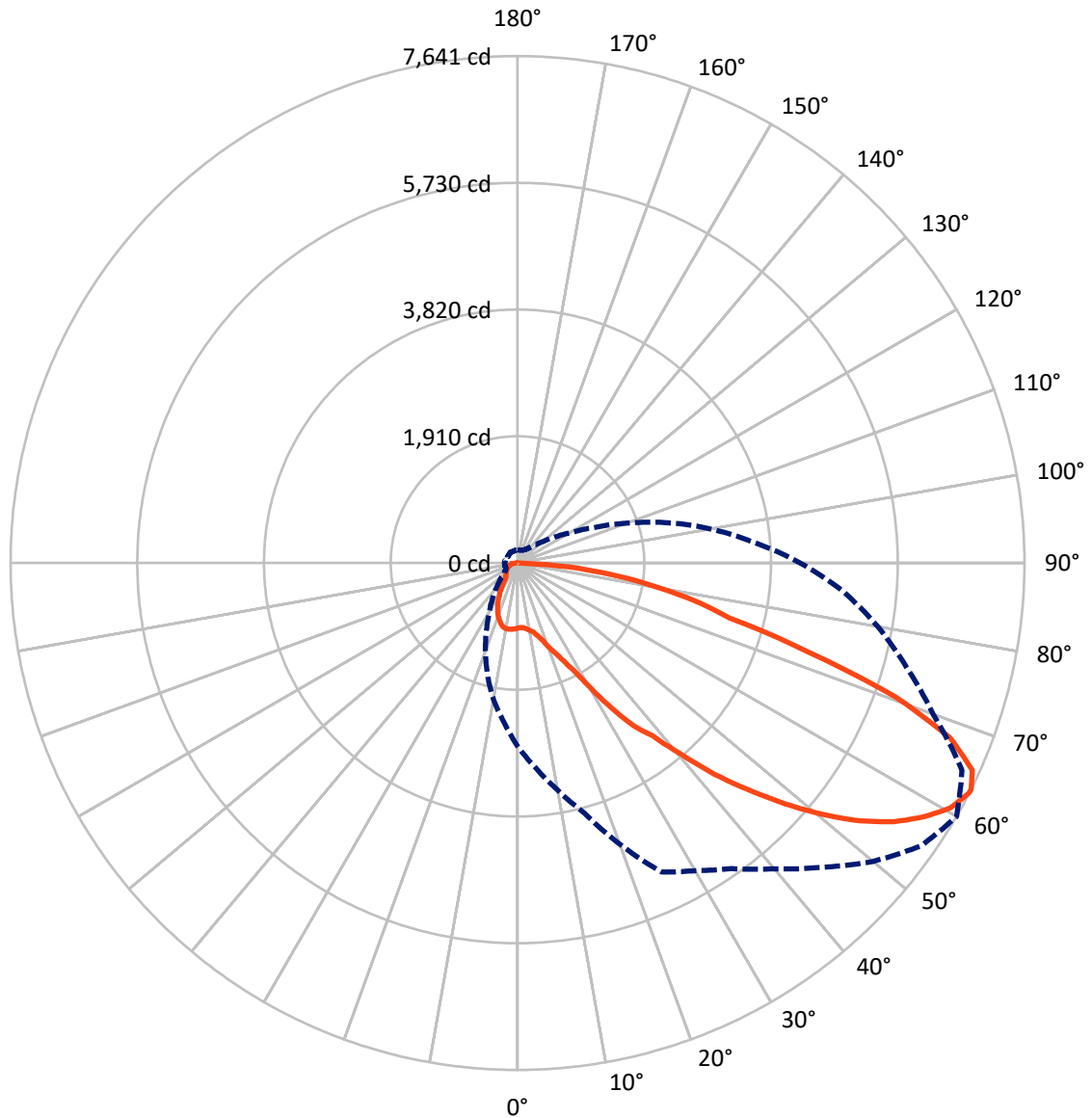
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P180992
CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1692.8	0.0	1692.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6113.6	0.0	6113.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	7806.4	0.0	7806.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.2
10°-20°	297.4	3.8
20°-30°	528.4	6.8
30°-40°	832.1	10.7
40°-50°	1224.5	15.7
50°-60°	1626.5	20.8
60°-70°	1791.6	23.0
70°-80°	1124.1	14.4
80°-90°	286.3	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°	7806.4	100.0
0°-180°	7806.4	100.0

Coefficient of Utilization



REPORT NUMBER: P180992

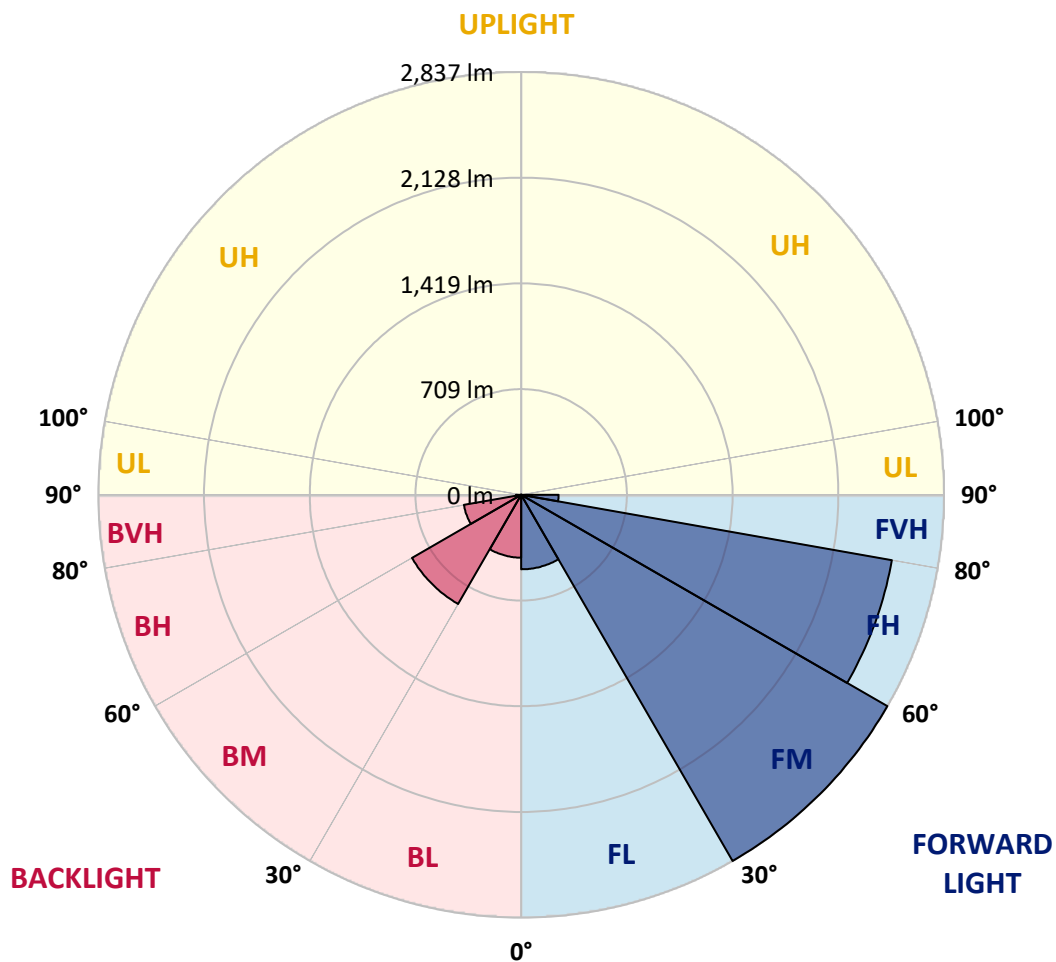
CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.9	6.4			
FM (30°-60°)	2837.0	36.3			
FH (60°-80°)	2525.5	32.4			G2/5000
FVH (80°-90°)	251.2	3.2			G3/500
BL (0°-30°)	421.4	5.4	B1/500		
BM (30°-60°)	846.1	10.8	B1/1000		
BH (60°-80°)	390.2	5.0	B1/500		G1/500
BVH (80°-90°)	35.1	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





REPORT NUMBER: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	967.9	969.8	969.8	968.8	968.8	970.7	969.8	968.8	966.1	969.8	969.8
5°	960.5	962.3	962.3	964.2	966.1	967.9	967.9	969.8	968.8	972.6	975.4
7.5°	969.8	971.6	975.4	980.1	982.9	989.4	989.4	994.1	996.0	998.8	997.9
10°	982.0	986.6	995.1	1002.5	1008.1	1015.6	1021.2	1027.8	1027.8	1030.6	1032.5
12.5°	1003.4	1008.1	1017.5	1026.8	1035.3	1044.6	1053.0	1059.5	1066.1	1068.0	1071.7
15°	1039.0	1044.6	1058.6	1071.7	1082.1	1094.1	1105.4	1118.5	1130.6	1133.5	1135.4
17.5°	1092.3	1103.5	1113.8	1137.2	1152.2	1168.1	1185.9	1204.6	1208.3	1227.9	1232.6
20°	1168.1	1182.1	1191.4	1220.4	1245.7	1266.2	1292.5	1314.0	1322.3	1341.0	1359.7
22.5°	1299.0	1296.2	1310.2	1339.2	1357.9	1399.1	1421.5	1443.9	1455.2	1483.2	1498.1
25°	1474.8	1489.8	1520.7	1523.5	1541.2	1588.8	1617.9	1640.3	1641.2	1649.7	1665.6
27.5°	1647.8	1709.5	1758.2	1784.4	1832.0	1876.0	1874.2	1906.0	1856.4	1866.6	1881.6
30°	1857.3	1960.2	2051.8	2113.5	2162.2	2213.6	2238.8	2256.6	2235.1	2225.8	2208.0
32.5°	2053.7	2197.7	2338.9	2448.3	2539.1	2624.1	2680.3	2705.5	2735.5	2811.2	2838.3
35°	2188.4	2392.2	2568.0	2726.1	2877.6	3013.2	3111.4	3167.5	3146.0	3135.7	3130.1
37.5°	2268.8	2517.5	2737.3	2960.9	3134.7	3337.7	3490.2	3637.9	3671.6	3612.7	3583.6
40°	2319.3	2613.9	2896.3	3160.0	3385.4	3647.3	3836.1	4057.8	4226.2	4248.6	4179.4
42.5°	2343.5	2678.3	3007.6	3305.9	3610.8	3931.6	4170.9	4439.4	4690.9	4863.9	4820.9
45°	2347.4	2720.5	3088.9	3437.8	3800.6	4181.2	4489.9	4787.3	5123.9	5420.4	5428.8
47.5°	2347.4	2752.3	3145.0	3533.1	3970.8	4398.2	4734.9	5086.5	5498.9	5849.6	5957.2
50°	2349.2	2773.8	3197.4	3607.9	4100.8	4581.5	4962.2	5377.3	5811.3	6192.9	6400.4
52.5°	2357.6	2789.7	3238.5	3661.2	4185.0	4710.5	5138.9	5617.7	6049.7	6441.6	6710.0
55°	2376.3	2812.1	3268.5	3694.0	4241.0	4794.7	5267.0	5782.3	6204.0	6601.5	6976.5
57.5°	2428.7	2851.4	3305.0	3723.0	4271.9	4849.9	5356.8	5853.3	6263.0	6677.3	7117.7
60°	2533.4	2934.6	3367.6	3781.0	4323.4	4951.8	5399.8	5805.7	6219.9	6654.8	7149.5
62.5°	2700.9	3064.6	3454.6	3879.2	4470.3	5109.9	5367.1	5663.5	6050.7	6524.8	7036.4
63°	2758.8	3092.7	3474.3	3900.7	4510.4	5138.9	5353.1	5621.4	6016.1	6483.7	6996.1
65°	2920.6	3217.0	3567.7	4009.1	4675.9	5167.8	5243.7	5402.6	5776.7	6249.0	6758.6
67.5°	3222.6	3519.1	3768.9	4192.5	4815.3	5053.8	4904.1	4923.8	5314.7	5803.8	6262.1
70°	3413.4	3766.9	3897.0	4215.8	4790.1	4884.5	4464.6	4204.6	4517.9	5075.3	5476.5
72.5°	3363.9	3769.8	3755.7	3904.4	4285.0	4373.0	3938.1	3528.5	3714.5	4130.7	4390.7
75°	2881.3	3366.7	3263.8	3233.9	3367.6	3425.6	3099.2	3036.6	3271.3	3502.3	3506.1
77.5°	2074.2	2608.3	2487.6	2314.6	2305.2	2439.0	2482.9	2893.5	3240.4	3422.8	3342.3
80°	1321.4	1900.3	1775.0	1472.9	1468.3	1642.2	2028.4	2586.7	2954.3	3056.2	2846.7
82.5°	690.1	1243.8	1291.5	1105.4	1265.3	1553.3	1930.2	2084.6	2223.9	2237.9	1991.0
85°	430.1	765.0	899.6	928.7	1142.8	1377.5	1374.7	1320.5	1258.8	1077.3	974.4
87.5°	48.7	96.3	145.9	138.4	186.1	260.9	325.5	190.8	133.8	48.7	67.3
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: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	971.6	972.6	973.5	973.5	978.2	977.3	978.2	980.1	982.9	984.8	986.6
5°	979.2	979.2	982.9	985.7	991.3	995.1	996.9	1002.5	1009.0	1007.2	1012.8
7.5°	1003.4	1002.5	1006.2	1008.1	1012.8	1019.4	1018.4	1023.1	1028.8	1030.6	1035.3
10°	1036.2	1033.4	1033.4	1031.5	1032.5	1030.6	1030.6	1030.6	1034.3	1033.4	1037.1
12.5°	1069.9	1068.9	1067.1	1061.4	1061.4	1054.0	1050.2	1045.6	1044.6	1038.1	1039.0
15°	1139.1	1139.1	1135.4	1124.1	1114.7	1108.2	1098.9	1092.3	1083.0	1070.8	1064.3
17.5°	1240.1	1227.0	1222.3	1220.4	1205.5	1199.8	1179.3	1157.8	1147.4	1130.6	1121.3
20°	1363.5	1360.7	1342.0	1332.7	1314.0	1287.7	1261.6	1233.5	1216.7	1196.1	1184.8
22.5°	1502.9	1482.2	1472.9	1458.9	1429.9	1400.0	1360.7	1323.3	1297.1	1283.1	1274.7
25°	1665.6	1645.0	1635.6	1616.9	1581.4	1549.6	1500.9	1457.0	1433.7	1410.2	1397.2
27.5°	1881.6	1862.0	1850.7	1802.2	1790.0	1737.6	1677.8	1617.9	1587.0	1552.4	1530.0
30°	2204.3	2205.2	2147.2	2088.3	2027.5	1936.8	1874.2	1806.8	1756.3	1706.7	1657.1
32.5°	2749.5	2610.2	2502.5	2376.3	2244.5	2148.1	2070.5	1990.1	1919.9	1847.9	1765.7
35°	3082.3	3015.1	2875.7	2644.8	2511.9	2395.0	2308.9	2211.7	2125.7	1998.5	1873.2
37.5°	3458.3	3302.2	3132.9	3004.8	2854.3	2718.6	2574.6	2464.2	2315.5	2144.4	1966.7
40°	4007.3	3783.7	3579.9	3407.8	3213.3	3071.2	2910.3	2750.4	2553.0	2305.2	2061.1
42.5°	4580.6	4349.6	4080.2	3856.8	3627.7	3461.1	3262.0	3037.5	2747.6	2440.9	2142.5
45°	5181.9	4873.2	4550.6	4277.6	4039.1	3832.4	3585.5	3288.1	2934.6	2562.4	2218.2
47.5°	5774.8	5420.4	5036.0	4742.4	4431.8	4179.4	3876.4	3500.4	3080.5	2677.4	2294.1
50°	6297.6	5956.2	5493.3	5120.2	4806.0	4494.5	4116.7	3664.1	3195.6	2776.6	2362.3
52.5°	6748.3	6454.7	5967.5	5496.1	5134.2	4784.4	4310.3	3795.9	3311.6	2868.2	2418.4
55°	7079.4	6883.9	6435.0	5850.5	5423.2	5006.1	4474.0	3923.1	3421.0	2941.1	2454.9
57.5°	7329.1	7220.6	6835.3	6184.4	5688.8	5221.1	4643.2	4075.6	3529.4	3003.8	2471.7
60°	7465.6	7495.6	7138.3	6476.2	5923.5	5400.7	4812.5	4205.5	3609.9	3040.3	2462.3
62.5°	7452.5	7635.9	7365.5	6655.8	6060.0	5507.4	4926.6	4266.4	3598.6	2982.3	2377.2
63°	7427.3	7640.5	7390.8	6667.9	6068.5	5511.1	4929.4	4257.9	3575.3	2954.3	2343.5
65°	7209.3	7533.0	7369.3	6612.8	5993.6	5441.0	4870.4	4136.4	3410.6	2803.7	2170.6
67.5°	6625.8	7030.7	6984.0	6222.7	5639.2	5151.0	4569.3	3744.5	3003.8	2433.4	1839.5
70°	5661.6	6042.3	6050.7	5411.9	4924.7	4445.9	3962.4	3046.8	2381.0	1886.2	1371.9
72.5°	4339.3	4584.3	4669.4	4248.6	3922.2	3585.5	3151.6	2211.7	1697.4	1283.1	893.1
75°	3360.1	3292.8	3291.8	3114.2	2981.4	2816.8	2339.8	1492.6	1114.7	834.1	546.1
77.5°	3020.7	2721.4	2431.5	2218.2	2111.6	2056.5	1534.6	899.6	657.4	479.7	314.2
80°	2491.4	2050.0	1656.2	1426.1	1334.5	1398.1	855.7	486.3	360.0	273.1	203.9
82.5°	1718.0	1426.1	1083.9	897.8	770.6	806.1	437.7	248.7	166.4	152.5	126.2
85°	895.0	784.7	662.1	568.6	502.2	441.4	227.3	118.8	69.2	60.7	55.2
87.5°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	989.4	988.5	990.3	991.3	994.1	996.0	996.9	995.1	997.9	1000.7	998.8
5°	1015.6	1022.1	1023.1	1025.9	1025.9	1031.5	1031.5	1031.5	1030.6	1031.5	1029.7
7.5°	1038.1	1046.5	1047.4	1051.2	1052.1	1058.6	1055.8	1057.7	1057.7	1053.0	1051.2
10°	1040.8	1049.3	1054.0	1058.6	1065.2	1073.6	1073.6	1078.2	1078.2	1074.5	1073.6
12.5°	1041.8	1048.4	1053.0	1059.5	1068.9	1081.1	1087.6	1094.1	1096.9	1096.0	1093.2
15°	1061.4	1061.4	1062.3	1068.0	1074.5	1089.5	1098.9	1106.3	1111.0	1109.1	1104.5
17.5°	1112.8	1105.4	1099.8	1090.4	1092.3	1099.8	1105.4	1111.9	1112.8	1111.0	1103.5
20°	1172.8	1163.4	1149.3	1134.4	1126.9	1121.3	1117.6	1117.6	1114.7	1105.4	1093.2
22.5°	1257.9	1245.7	1226.1	1203.6	1188.7	1170.9	1149.3	1128.8	1106.3	1083.9	1057.7
25°	1375.6	1358.8	1338.2	1303.6	1271.8	1234.4	1190.5	1144.7	1091.4	1044.6	1006.2
27.5°	1494.4	1457.0	1403.7	1356.0	1297.1	1241.0	1178.3	1122.2	1054.0	997.9	955.7
30°	1592.7	1521.6	1444.8	1369.1	1291.5	1215.7	1140.9	1073.6	998.8	941.8	900.6
32.5°	1668.4	1570.1	1463.5	1364.5	1269.0	1176.5	1090.4	1015.6	939.9	880.9	837.0
35°	1738.5	1602.0	1466.3	1343.9	1226.1	1129.7	1032.5	951.1	870.7	808.9	761.2
37.5°	1790.9	1616.9	1449.6	1305.5	1170.0	1062.3	963.3	880.0	797.7	730.4	676.1
40°	1824.6	1607.6	1413.0	1250.3	1103.5	990.3	889.4	803.4	723.8	650.0	584.5
42.5°	1851.6	1595.5	1376.6	1199.8	1051.2	927.7	823.9	731.4	650.9	570.4	498.4
45°	1891.9	1604.8	1360.7	1164.3	1004.4	874.4	760.3	664.0	579.8	501.3	432.1
47.5°	1931.2	1609.5	1337.3	1120.4	945.5	819.3	703.3	609.8	523.7	451.7	388.1
50°	1966.7	1606.6	1300.8	1064.3	888.5	764.1	651.8	558.3	473.2	406.8	347.0
52.5°	1983.5	1590.8	1256.0	1010.1	842.6	715.4	601.3	510.6	426.4	363.8	308.7
55°	1981.7	1549.6	1197.0	958.6	792.1	664.0	551.7	462.0	386.2	328.3	280.6
57.5°	1953.6	1486.1	1134.4	901.5	725.7	600.4	493.8	406.8	343.3	294.6	254.3
60°	1894.7	1404.7	1052.1	818.3	642.5	521.9	421.8	347.0	295.5	258.1	231.9
62.5°	1784.4	1287.7	949.2	702.3	530.2	419.9	332.9	284.3	246.0	223.5	211.4
63°	1751.6	1256.0	905.3	674.2	504.1	396.6	314.2	263.7	235.6	216.0	204.8
65°	1588.8	1099.8	757.5	544.3	391.8	305.8	252.5	214.1	197.3	188.9	188.0
67.5°	1286.8	865.0	535.9	373.1	266.5	220.7	193.6	177.7	170.2	168.4	170.2
70°	903.4	546.1	340.4	247.8	197.3	177.7	165.5	159.0	154.3	155.3	157.1
72.5°	576.1	327.4	233.8	188.0	166.4	156.2	150.6	148.7	147.7	146.8	146.8
75°	328.3	217.9	179.5	162.7	151.5	143.1	138.4	136.6	137.5	138.4	136.6
77.5°	216.9	179.5	159.9	148.7	138.4	129.0	126.2	125.3	127.2	129.0	129.0
80°	171.2	159.9	148.7	137.5	120.7	114.0	116.0	116.9	116.0	116.9	114.0
82.5°	120.7	118.8	121.6	116.9	100.1	94.4	92.6	93.5	91.6	91.6	89.8
85°	56.1	56.1	58.9	58.9	57.0	58.0	62.7	68.3	71.1	68.3	64.6
87.5°	0.0	0.0	0.0	0.0	0.0	8.4	16.8	24.3	26.1	32.7	31.8
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: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	996.0	997.9	996.9	996.0	997.9	996.0	996.9	996.0	996.0	995.1	995.1
5°	1027.8	1030.6	1024.9	1024.0	1022.1	1017.5	1017.5	1015.6	1015.6	1011.9	1009.0
7.5°	1048.4	1049.3	1044.6	1043.6	1039.0	1034.3	1030.6	1026.8	1025.9	1023.1	1017.5
10°	1068.0	1066.1	1062.3	1057.7	1053.0	1046.5	1041.8	1037.1	1036.2	1031.5	1024.9
12.5°	1084.8	1083.9	1076.4	1071.7	1064.3	1057.7	1052.1	1046.5	1043.6	1038.1	1028.8
15°	1096.0	1090.4	1081.1	1072.7	1064.3	1056.8	1050.2	1043.6	1040.8	1034.3	1024.9
17.5°	1091.4	1081.1	1068.9	1058.6	1047.4	1038.1	1032.5	1025.9	1021.2	1017.5	1004.4
20°	1074.5	1059.5	1040.8	1028.8	1013.8	1001.6	997.9	991.3	987.5	973.5	956.7
22.5°	1030.6	1009.0	985.7	967.9	951.1	938.9	929.6	923.1	913.7	905.3	879.1
25°	975.4	951.1	926.8	905.3	882.8	864.1	847.3	831.4	826.7	808.9	783.7
27.5°	922.1	895.0	870.7	845.4	816.4	793.0	764.1	741.6	726.6	707.9	684.6
30°	865.0	838.0	805.2	771.5	737.9	712.7	679.9	652.7	634.1	614.4	592.9
32.5°	793.0	760.3	721.0	683.6	652.7	622.8	590.1	563.9	545.2	527.4	506.9
35°	710.7	667.7	625.7	584.5	551.7	526.5	497.5	477.9	464.7	448.9	427.4
37.5°	616.3	567.6	522.8	491.0	462.0	437.7	417.1	404.9	390.9	382.5	369.4
40°	520.9	473.2	429.2	400.3	375.9	362.0	350.7	347.9	338.5	327.4	318.9
42.5°	436.7	390.9	347.9	324.5	308.7	304.8	299.3	299.3	294.6	286.1	280.6
45°	379.7	332.0	294.6	277.8	269.3	268.4	265.6	265.6	264.7	260.9	254.3
47.5°	338.5	295.5	266.5	256.3	254.3	252.5	249.7	248.7	247.8	245.0	241.3
50°	301.1	264.7	246.0	241.3	242.2	239.4	236.6	233.8	232.8	230.0	226.3
52.5°	266.5	240.4	228.2	225.4	225.4	225.4	223.5	223.5	221.7	220.7	216.9
55°	246.9	227.3	220.7	219.8	218.8	217.9	216.0	216.0	214.1	213.2	208.6
57.5°	230.0	217.9	214.1	212.3	211.4	209.5	208.6	208.6	208.6	208.6	203.0
60°	216.9	211.4	210.4	208.6	207.6	203.9	202.0	201.0	202.0	203.0	197.3
62.5°	203.0	202.0	201.0	199.2	198.2	194.5	191.7	189.9	191.7	193.6	192.7
63°	199.2	198.2	198.2	197.3	196.4	191.7	188.9	187.1	188.9	190.8	190.8
65°	186.1	187.1	187.1	186.1	185.2	182.3	178.6	176.7	177.7	180.5	181.4
67.5°	172.1	173.0	172.1	173.0	172.1	170.2	167.4	165.5	164.6	165.5	166.4
70°	159.0	160.8	159.9	159.0	158.0	158.0	156.2	153.4	152.5	151.5	151.5
72.5°	147.7	147.7	145.9	145.9	144.9	144.9	143.1	140.3	139.3	139.3	137.5
75°	135.6	135.6	132.8	132.8	130.9	131.9	130.0	127.2	126.2	126.2	125.3
77.5°	128.1	125.3	120.7	119.7	118.8	118.8	117.9	115.1	114.0	114.0	113.1
80°	113.1	107.5	102.9	102.0	102.9	104.7	104.7	102.9	102.9	102.9	102.9
82.5°	87.9	86.0	83.3	81.4	81.4	84.2	87.9	89.8	91.6	93.5	93.5
85°	64.6	65.5	64.6	61.8	60.7	63.6	67.3	71.1	72.0	75.7	74.8
87.5°	34.6	35.5	32.7	31.8	34.6	36.5	40.2	41.1	43.0	44.0	44.9
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: P180992

CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	994.1	993.2	994.1	992.2	992.2	990.3	988.5	987.5	985.7	984.8	982.9
5°	1011.0	1008.1	1005.3	1004.4	1000.7	996.9	994.1	989.4	985.7	979.2	977.3
7.5°	1022.1	1015.6	1011.9	1011.0	1005.3	1002.5	996.0	990.3	984.8	976.4	973.5
10°	1026.8	1020.3	1013.8	1011.0	1004.4	999.7	993.2	984.8	980.1	971.6	969.8
12.5°	1032.5	1020.3	1010.1	1002.5	993.2	982.9	976.4	971.6	965.1	960.5	958.6
15°	1022.1	1006.2	990.3	976.4	961.4	950.1	943.6	936.1	928.7	925.9	925.9
17.5°	994.1	973.5	946.4	928.7	912.7	900.6	892.2	884.7	883.7	880.0	881.9
20°	936.1	909.0	882.8	869.8	860.4	852.9	844.5	840.7	838.0	832.3	830.4
22.5°	855.7	833.2	814.5	805.2	797.7	788.4	780.8	769.7	766.9	761.2	758.4
25°	766.9	749.1	733.2	726.6	722.0	708.8	704.2	689.2	679.0	672.4	676.1
27.5°	678.1	664.9	650.0	641.6	638.7	626.6	621.9	605.0	596.7	596.7	587.3
30°	586.3	574.2	564.8	555.5	553.7	538.7	526.5	520.0	510.6	506.9	500.3
32.5°	500.3	488.2	480.7	476.0	468.6	456.4	444.2	433.0	418.0	412.4	409.6
35°	420.8	411.4	402.1	398.4	388.1	375.0	360.0	350.7	332.9	326.4	323.5
37.5°	360.0	348.8	342.2	332.0	321.7	307.7	296.5	288.0	281.5	278.7	278.7
40°	311.4	303.0	295.5	287.1	278.7	271.2	265.6	263.7	262.8	262.8	264.7
42.5°	275.0	267.4	263.7	259.1	256.3	256.3	255.4	256.3	257.2	258.1	260.9
45°	250.6	246.0	244.1	243.2	245.0	246.9	247.8	249.7	253.4	255.4	256.3
47.5°	237.6	233.8	232.8	233.8	236.6	240.4	244.1	246.9	249.7	250.6	251.5
50°	224.5	219.8	217.9	219.8	223.5	229.1	231.9	236.6	238.5	240.4	238.5
52.5°	213.2	209.5	208.6	208.6	212.3	216.0	219.8	223.5	224.5	224.5	223.5
55°	203.9	201.0	198.2	200.1	203.0	206.7	212.3	215.1	216.9	217.9	217.9
57.5°	196.4	193.6	190.8	192.7	195.4	199.2	204.8	207.6	209.5	212.3	213.2
60°	190.8	187.1	184.2	187.1	189.9	195.4	200.1	203.0	207.6	208.6	208.6
62.5°	185.2	181.4	176.7	179.5	179.5	182.3	187.1	190.8	195.4	197.3	197.3
63°	184.2	180.5	175.8	177.7	177.7	179.5	183.3	187.1	192.7	194.5	193.6
65°	176.7	175.8	171.2	171.2	169.3	171.2	174.0	177.7	180.5	183.3	183.3
67.5°	164.6	163.6	162.7	162.7	162.7	164.6	166.4	169.3	172.1	174.0	173.0
70°	150.6	150.6	150.6	151.5	151.5	153.4	154.3	153.4	156.2	158.0	157.1
72.5°	138.4	137.5	136.6	138.4	137.5	137.5	139.3	138.4	141.2	141.2	142.1
75°	125.3	124.4	124.4	125.3	123.4	121.6	122.5	122.5	123.4	123.4	125.3
77.5°	114.0	114.0	114.0	113.1	111.3	110.3	109.4	109.4	109.4	109.4	110.3
80°	103.8	103.8	103.8	102.9	101.0	99.2	97.3	96.3	95.3	90.7	90.7
82.5°	93.5	93.5	93.5	93.5	92.6	90.7	87.9	80.5	76.7	72.9	73.9
85°	73.9	75.7	77.6	80.5	79.5	79.5	73.9	64.6	58.9	55.2	56.1
87.5°	47.7	42.0	42.0	41.1	39.3	37.4	37.4	31.8	26.1	23.3	24.3
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: P180992
 CATALOG NUMBER: ICM-F04-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	0°
2.5°	982.9	981.0	979.2	979.2	976.4	976.4	974.4	978.2	974.4	971.6	971.6	2.5°
5°	975.4	973.5	967.9	967.0	963.3	963.3	963.3	961.4	961.4	959.5	958.6	5°
7.5°	970.7	966.1	961.4	958.6	958.6	956.7	960.5	958.6	959.5	959.5	960.5	7.5°
10°	967.0	963.3	961.4	960.5	960.5	963.3	966.1	967.0	966.1	967.0	967.0	10°
12.5°	957.7	959.5	960.5	964.2	968.8	974.4	981.0	982.0	983.8	983.8	985.7	12.5°
15°	927.7	932.4	938.0	947.4	959.5	971.6	983.8	994.1	1003.4	1008.1	1011.9	15°
17.5°	885.6	890.3	900.6	910.9	926.8	944.6	965.1	982.9	1002.5	1020.3	1038.1	17.5°
20°	828.6	836.1	838.9	857.6	876.3	900.6	924.9	952.9	986.6	1020.3	1054.9	20°
22.5°	754.7	763.1	776.2	791.2	810.8	840.7	869.8	913.7	958.6	1006.2	1060.5	22.5°
25°	672.4	681.8	692.9	708.8	728.5	760.3	802.4	849.1	904.3	967.0	1034.3	25°
27.5°	587.3	596.7	606.1	617.2	639.6	673.3	722.9	771.5	832.3	900.6	979.2	27.5°
30°	502.2	503.2	508.7	522.8	546.1	590.1	626.6	687.4	751.0	823.0	913.7	30°
32.5°	408.7	407.7	414.3	426.4	448.9	491.0	535.9	594.8	657.4	748.2	841.7	32.5°
35°	325.5	325.5	337.6	349.8	375.0	404.9	444.2	496.6	570.4	654.6	748.2	35°
37.5°	281.5	288.0	295.5	307.7	327.4	350.7	385.3	431.2	489.1	569.5	655.5	37.5°
40°	267.4	271.2	277.8	288.9	305.8	327.4	352.6	387.2	432.1	496.6	575.2	40°
42.5°	261.9	262.8	266.5	275.0	290.0	311.4	337.6	368.5	402.1	448.0	516.2	42.5°
45°	256.3	255.4	257.2	263.7	275.9	300.2	330.1	363.8	397.5	435.8	491.9	45°
47.5°	251.5	251.5	251.5	254.3	265.6	290.0	324.5	363.8	404.0	447.0	502.2	47.5°
50°	238.5	237.6	237.6	239.4	247.8	274.0	315.2	362.9	415.3	471.4	534.0	50°
52.5°	223.5	223.5	224.5	225.4	232.8	259.1	304.8	362.9	428.3	503.2	581.7	52.5°
55°	218.8	219.8	220.7	219.8	225.4	247.8	293.7	357.2	434.0	528.4	633.1	55°
57.5°	215.1	216.9	216.9	216.0	219.8	238.5	282.4	346.0	429.2	537.8	669.6	57.5°
60°	209.5	209.5	209.5	206.7	208.6	225.4	265.6	328.3	414.3	529.3	675.2	60°
62.5°	197.3	197.3	195.4	194.5	193.6	206.7	243.2	302.0	387.2	506.9	661.2	62.5°
63°	194.5	193.6	193.6	190.8	190.8	203.0	238.5	298.3	379.7	501.3	655.5	63°
65°	184.2	184.2	184.2	182.3	181.4	190.8	219.8	272.1	350.7	475.1	627.5	65°
67.5°	173.0	174.0	172.1	171.2	170.2	175.8	198.2	239.4	305.8	419.9	575.2	67.5°
70°	157.1	158.0	158.0	157.1	156.2	159.9	174.0	205.8	253.4	349.8	490.0	70°
72.5°	143.1	144.9	144.9	146.8	146.8	149.7	155.3	171.2	203.0	273.1	385.3	72.5°
75°	128.1	129.0	130.9	132.8	130.9	130.0	130.9	143.1	159.0	202.0	275.0	75°
77.5°	115.1	117.9	117.9	116.9	114.0	112.2	112.2	117.9	130.9	153.4	196.4	77.5°
80°	95.3	100.1	101.0	98.2	95.3	95.3	97.3	101.0	109.4	126.2	148.7	80°
82.5°	76.7	81.4	82.3	83.3	82.3	85.1	85.1	86.0	90.7	103.8	121.6	82.5°
85°	58.9	62.7	65.5	66.4	67.3	68.3	67.3	62.7	65.5	73.9	82.3	85°
87.5°	26.1	27.2	25.2	26.1	25.2	26.1	27.2	22.4	21.5	29.0	30.0	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: P180992

NUMBER: ICM-F04-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
981.0	981.0	981.0	981.0	981.0	981.0	981.0
970.7	970.7	971.6	969.8	969.8	970.7	967.9
955.7	959.5	959.5	959.5	957.7	959.5	960.5
959.5	962.3	964.2	964.2	963.3	967.0	969.8
964.2	968.8	970.7	970.7	970.7	975.4	982.0
982.0	985.7	988.5	988.5	990.3	996.0	1003.4
1014.7	1019.4	1019.4	1018.4	1024.0	1030.6	1039.0
1051.2	1064.3	1070.8	1069.9	1074.5	1083.0	1092.3
1085.8	1122.2	1138.1	1149.3	1154.1	1165.2	1168.1
1114.7	1175.5	1219.4	1256.9	1274.7	1285.9	1299.0
1104.5	1186.8	1265.3	1342.0	1396.2	1451.5	1474.8
1062.3	1165.2	1268.1	1380.4	1478.5	1576.8	1647.8
1011.0	1134.4	1272.8	1431.8	1587.0	1737.6	1857.3
952.0	1105.4	1283.1	1479.5	1683.4	1880.7	2053.7
878.1	1050.2	1257.9	1484.2	1724.5	1963.9	2188.4
784.7	975.4	1198.9	1450.5	1726.3	2000.4	2268.8
691.1	880.9	1124.1	1401.9	1702.1	2008.8	2319.3
625.7	796.7	1048.4	1340.1	1662.8	1995.7	2343.5
580.7	736.0	981.0	1284.0	1620.7	1972.3	2347.4
577.0	709.8	937.0	1242.9	1587.0	1951.7	2347.4
608.8	723.8	922.1	1222.3	1573.0	1945.2	2349.2
668.7	779.9	949.2	1238.1	1584.2	1953.6	2357.6
740.7	865.0	1022.1	1293.4	1631.9	1981.7	2376.3
806.1	963.3	1146.5	1400.0	1718.9	2052.8	2428.7
844.5	1047.4	1278.4	1549.6	1867.5	2194.0	2533.4
849.1	1094.1	1395.3	1712.3	2048.1	2355.7	2700.9
845.4	1098.0	1410.2	1743.2	2086.4	2395.9	2758.8
824.8	1098.9	1452.4	1851.6	2219.2	2565.2	2920.6
772.5	1068.9	1467.4	1936.8	2386.6	2787.8	3222.6
681.8	983.8	1423.4	1938.6	2451.2	2912.2	3413.4
548.0	822.1	1233.5	1763.7	2280.9	2789.7	3363.9
401.2	604.1	932.4	1366.3	1861.0	2322.1	2881.3
266.5	390.9	628.5	973.5	1334.5	1671.2	2074.2
183.3	242.2	367.5	585.4	816.4	980.1	1321.4
134.7	159.9	203.9	299.3	392.7	483.5	690.1
84.2	91.6	102.0	147.7	211.4	285.2	430.1
22.4	23.3	21.5	29.0	45.9	44.0	48.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)