

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: P181046

Luminaire Tested: **ICS-E04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181046
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: ICS-E04-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8454.6 lumens
Efficiency: N/A
Efficacy: 87.0 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): 97.2
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

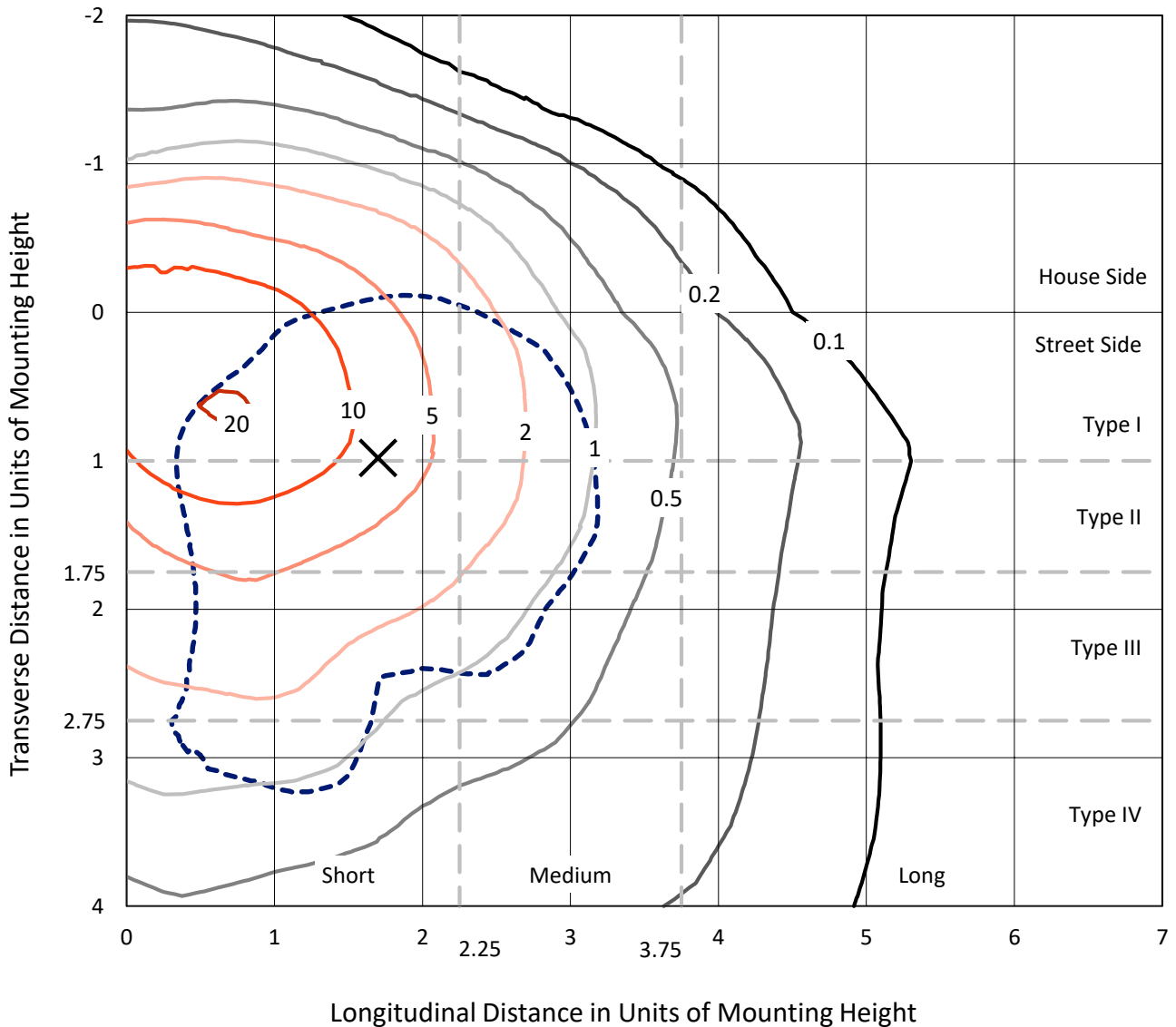


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

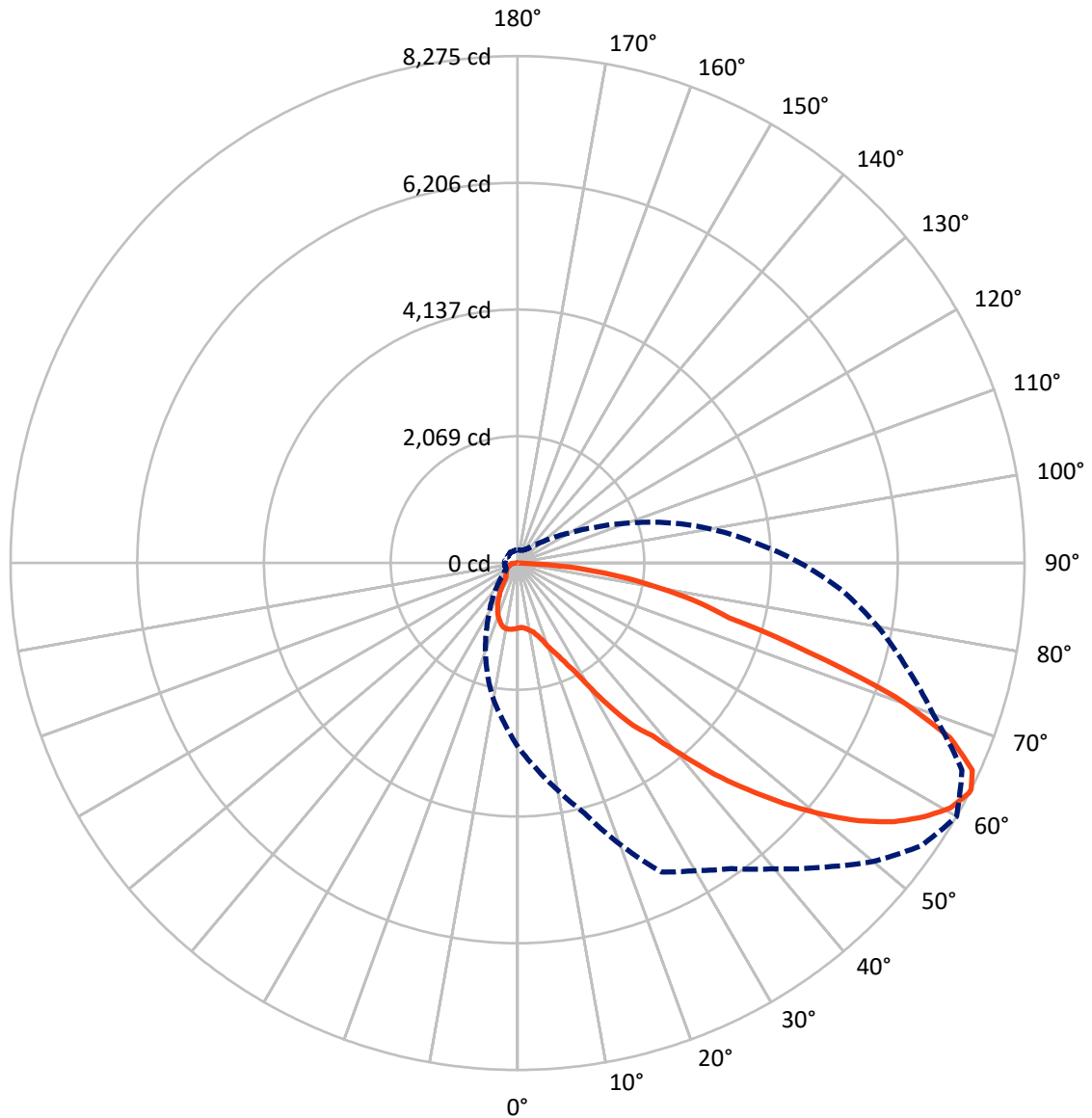


Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type IV - Short - Non-Cutoff

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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	1833.3	0.0	1833.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6621.2	0.0	6621.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	8454.6	0.0	8454.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.2
10°-20°	322.1	3.8
20°-30°	572.3	6.8
30°-40°	901.1	10.7
40°-50°	1326.2	15.7
50°-60°	1761.6	20.8
60°-70°	1940.4	23.0
70°-80°	1217.4	14.4
80°-90°	310.1	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°	8454.6	100.0
0°-180°	8454.6	100.0



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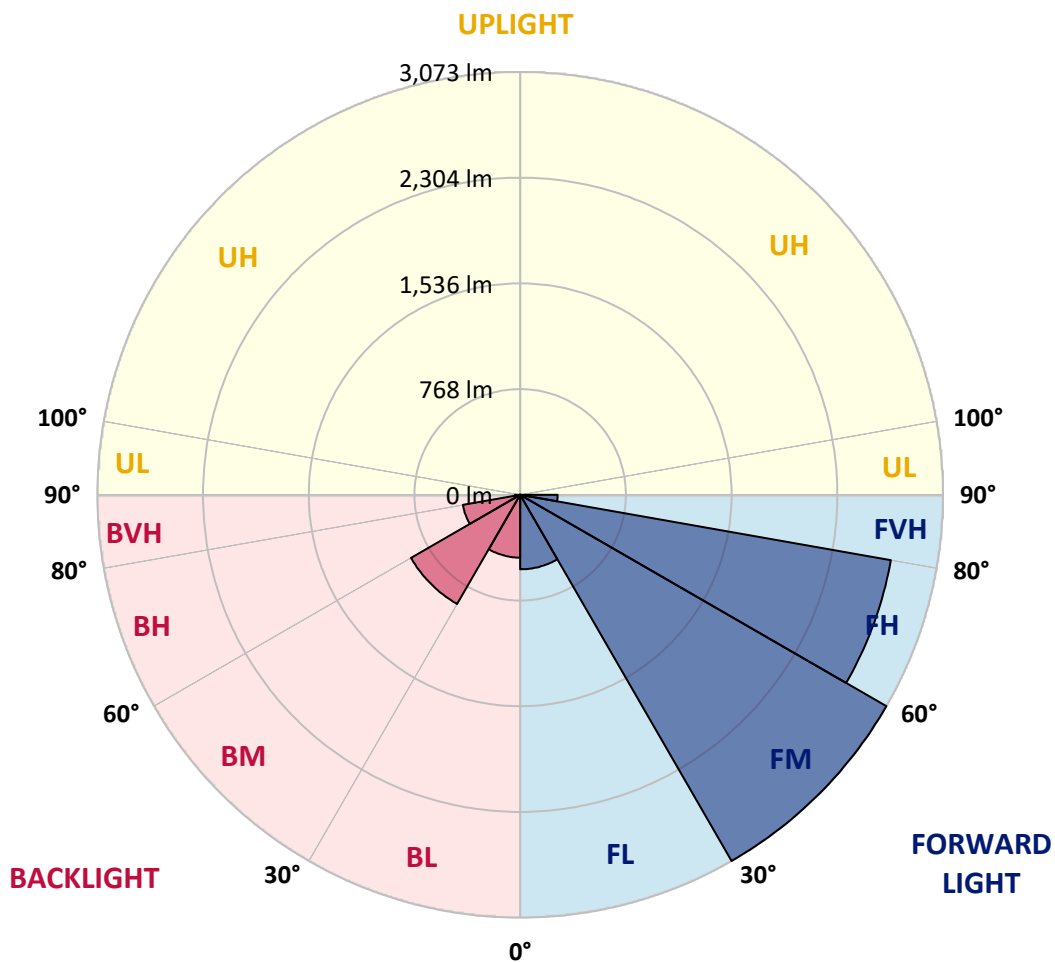
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.4	6.4			
FM	(30°-60°)	3072.6	36.3			
FH	(60°-80°)	2735.2	32.4			G2/5000
FVH	(80°-90°)	272.1	3.2			G3/500
BL	(0°-30°)	456.4	5.4	B1/500		
BM	(30°-60°)	916.3	10.8	B1/1000		
BH	(60°-80°)	422.6	5.0	B1/500		G1/500
BVH	(80°-90°)	38.0	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°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1048.3	1050.3	1050.3	1049.3	1049.3	1051.3	1050.3	1049.3	1046.3	1050.3	1050.3
5°	1040.2	1042.2	1042.2	1044.2	1046.3	1048.3	1048.3	1050.3	1049.3	1053.4	1056.4
7.5°	1050.3	1052.3	1056.4	1061.5	1064.5	1071.6	1071.6	1076.7	1078.7	1081.7	1080.7
10°	1063.5	1068.6	1077.7	1085.8	1091.8	1099.9	1106.0	1113.1	1113.1	1116.2	1118.2
12.5°	1086.8	1091.8	1102.0	1112.1	1121.2	1131.3	1140.5	1147.6	1154.6	1156.7	1160.7
15°	1125.3	1131.3	1146.5	1160.7	1171.9	1185.0	1197.2	1211.4	1224.5	1227.6	1229.6
17.5°	1183.0	1195.2	1206.3	1231.6	1247.8	1265.0	1284.3	1304.5	1308.6	1329.9	1334.9
20°	1265.0	1280.2	1290.4	1321.8	1349.1	1371.4	1399.8	1423.0	1432.2	1452.4	1472.7
22.5°	1406.8	1403.8	1419.0	1450.4	1470.6	1515.2	1539.5	1563.8	1576.0	1606.4	1622.6
25°	1597.3	1613.5	1646.9	1649.9	1669.2	1720.8	1752.2	1776.5	1777.5	1786.7	1803.9
27.5°	1784.6	1851.5	1904.1	1932.5	1984.2	2031.8	2029.7	2064.2	2010.5	2021.6	2037.8
30°	2011.5	2122.9	2222.2	2289.0	2341.7	2397.4	2424.7	2444.0	2420.7	2410.6	2391.3
32.5°	2224.2	2380.2	2533.1	2651.6	2749.9	2842.0	2902.8	2930.2	2962.6	3044.6	3074.0
35°	2370.1	2590.9	2781.3	2952.4	3116.5	3263.4	3369.7	3430.5	3407.2	3396.1	3390.0
37.5°	2457.2	2726.6	2964.6	3206.7	3395.1	3614.8	3779.9	3940.0	3976.4	3912.6	3881.2
40°	2511.9	2830.9	3136.8	3422.4	3666.5	3950.1	4154.7	4394.7	4577.0	4601.4	4526.4
42.5°	2538.2	2900.8	3257.3	3580.4	3910.6	4258.0	4517.3	4808.0	5080.4	5267.8	5221.2
45°	2542.2	2946.4	3345.4	3723.2	4116.2	4528.4	4862.7	5184.7	5549.4	5870.4	5879.6
47.5°	2542.2	2980.8	3406.2	3826.5	4300.5	4763.4	5128.0	5508.9	5955.5	6335.3	6451.8
50°	2544.3	3004.1	3462.9	3907.6	4441.3	4961.9	5374.2	5823.9	6293.8	6707.1	6931.9
52.5°	2553.4	3021.3	3507.5	3965.3	4532.5	5101.7	5565.6	6084.2	6552.1	6976.5	7267.2
55°	2573.6	3045.6	3539.9	4000.7	4593.2	5192.9	5704.3	6262.4	6719.2	7149.7	7555.8
57.5°	2630.4	3088.2	3579.4	4032.1	4626.7	5252.6	5801.6	6339.4	6783.0	7231.7	7708.8
60°	2743.8	3178.3	3647.3	4094.9	4682.4	5363.0	5848.2	6287.7	6736.4	7207.4	7743.2
62.5°	2925.1	3319.1	3741.4	4201.3	4841.4	5534.2	5812.7	6133.8	6553.1	7066.6	7620.6
63°	2987.9	3349.5	3762.7	4224.6	4884.9	5565.6	5797.5	6088.2	6515.6	7022.0	7577.1
65°	3163.1	3484.2	3864.0	4342.1	5064.2	5597.0	5679.0	5851.2	6256.3	6767.8	7319.8
67.5°	3490.3	3811.3	4081.8	4540.6	5215.1	5473.4	5311.4	5332.6	5756.0	6285.7	6782.0
70°	3696.9	4079.7	4220.5	4565.9	5187.8	5290.1	4835.3	4553.7	4893.1	5496.7	5931.2
72.5°	3643.2	4082.8	4067.6	4228.6	4640.9	4736.1	4265.1	3821.5	4023.0	4473.7	4755.3
75°	3120.6	3646.2	3534.8	3502.4	3647.3	3710.0	3356.6	3288.7	3542.9	3793.1	3797.2
77.5°	2246.5	2824.8	2694.2	2506.8	2496.7	2641.5	2689.1	3133.7	3509.5	3707.0	3619.9
80°	1431.1	2058.1	1922.4	1595.2	1590.2	1778.6	2196.9	2801.5	3199.6	3310.0	3083.1
82.5°	747.5	1347.1	1398.7	1197.2	1370.4	1682.3	2090.5	2257.6	2408.5	2423.7	2156.3
85°	465.9	828.5	974.4	1005.8	1237.7	1491.9	1488.9	1430.1	1363.3	1166.8	1055.4
87.5°	52.7	104.3	158.0	149.9	201.6	282.6	352.5	206.6	144.8	52.7	72.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1052.3	1053.4	1054.4	1054.4	1059.4	1058.4	1059.4	1061.5	1064.5	1066.5	1068.6
5°	1060.4	1060.4	1064.5	1067.5	1073.6	1077.7	1079.7	1085.8	1092.9	1090.8	1096.9
7.5°	1086.8	1085.8	1089.8	1091.8	1096.9	1104.0	1103.0	1108.1	1114.1	1116.2	1121.2
10°	1122.2	1119.2	1119.2	1117.2	1118.2	1116.2	1116.2	1116.2	1120.2	1119.2	1123.2
12.5°	1158.7	1157.7	1155.7	1149.6	1149.6	1141.5	1137.4	1132.4	1131.3	1124.3	1125.3
15°	1233.6	1233.6	1229.6	1217.4	1207.3	1200.2	1190.1	1183.0	1172.9	1159.7	1152.6
17.5°	1343.0	1328.9	1323.8	1321.8	1305.6	1299.5	1277.2	1253.9	1242.8	1224.5	1214.4
20°	1476.7	1473.7	1453.4	1443.3	1423.0	1394.7	1366.3	1335.9	1317.7	1295.4	1283.3
22.5°	1627.6	1605.4	1595.2	1580.0	1548.6	1516.2	1473.7	1433.2	1404.8	1389.6	1380.5
25°	1803.9	1781.6	1771.5	1751.2	1712.7	1678.3	1625.6	1578.0	1552.7	1527.4	1513.2
27.5°	2037.8	2016.6	2004.4	1951.8	1938.6	1881.9	1817.0	1752.2	1718.8	1681.3	1657.0
30°	2387.3	2388.3	2325.5	2261.7	2195.8	2097.6	2029.7	1956.8	1902.1	1848.4	1794.8
32.5°	2977.8	2826.8	2710.4	2573.6	2430.8	2326.5	2242.4	2155.3	2079.4	2001.4	1912.2
35°	3338.3	3265.4	3114.5	2864.3	2720.5	2593.9	2500.7	2395.4	2302.2	2164.4	2028.7
37.5°	3745.5	3576.4	3393.0	3254.3	3091.2	2944.3	2788.4	2668.8	2507.8	2322.5	2130.0
40°	4340.0	4098.0	3877.2	3690.8	3480.1	3326.2	3152.0	2978.8	2765.1	2496.7	2232.3
42.5°	4960.9	4710.7	4419.0	4177.0	3928.8	3748.5	3532.8	3289.7	2975.7	2643.5	2320.4
45°	5612.2	5277.9	4928.5	4632.7	4374.5	4150.6	3883.2	3561.2	3178.3	2775.2	2402.5
47.5°	6254.3	5870.4	5454.2	5136.1	4799.9	4526.4	4198.2	3791.1	3336.3	2899.8	2484.5
50°	6820.5	6450.8	5949.4	5545.3	5205.0	4867.7	4458.5	3968.3	3460.9	3007.1	2558.4
52.5°	7308.7	6990.7	6463.0	5952.5	5560.5	5181.7	4668.2	4111.1	3586.5	3106.4	2619.2
55°	7667.2	7455.5	6969.4	6336.4	5873.5	5421.8	4845.4	4248.9	3705.0	3185.4	2658.7
57.5°	7937.7	7820.2	7402.9	6697.9	6161.1	5654.7	5028.8	4414.0	3822.5	3253.3	2676.9
60°	8085.5	8117.9	7731.0	7013.9	6415.4	5849.2	5212.1	4554.8	3909.6	3292.8	2666.8
62.5°	8071.4	8269.9	7977.2	7208.4	6563.2	5964.6	5335.7	4620.6	3897.4	3230.0	2574.6
63°	8044.0	8274.9	8004.5	7221.6	6572.3	5968.7	5338.7	4611.5	3872.1	3199.6	2538.2
65°	7808.0	8158.5	7981.2	7161.8	6491.3	5892.7	5274.9	4479.8	3693.8	3036.5	2350.8
67.5°	7176.0	7614.6	7563.9	6739.5	6107.5	5578.7	4948.8	4055.4	3253.3	2635.4	1992.3
70°	6131.8	6544.0	6553.1	5861.3	5333.6	4815.1	4291.4	3299.8	2578.7	2042.9	1485.8
72.5°	4699.6	4965.0	5057.1	4601.4	4247.9	3883.2	3413.3	2395.4	1838.3	1389.6	967.3
75°	3639.1	3566.2	3565.2	3372.8	3228.9	3050.7	2534.1	1616.5	1207.3	903.5	591.5
77.5°	3271.5	2947.4	2633.4	2402.5	2287.0	2227.2	1662.1	974.4	712.0	519.6	340.3
80°	2698.2	2220.2	1793.7	1544.6	1445.3	1514.2	926.8	526.7	389.9	295.8	220.8
82.5°	1860.6	1544.6	1173.9	972.3	834.6	873.1	474.0	269.4	180.3	165.1	136.7
85°	969.3	849.8	717.1	615.8	543.9	478.1	246.1	128.6	75.0	65.8	59.8
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°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1071.6	1070.6	1072.6	1073.6	1076.7	1078.7	1079.7	1077.7	1080.7	1083.7	1081.7
5°	1099.9	1107.0	1108.1	1111.1	1111.1	1117.2	1117.2	1117.2	1116.2	1117.2	1115.1
7.5°	1124.3	1133.4	1134.4	1138.4	1139.4	1146.5	1143.5	1145.5	1145.5	1140.5	1138.4
10°	1127.3	1136.4	1141.5	1146.5	1153.6	1162.7	1162.7	1167.8	1167.8	1163.8	1162.7
12.5°	1128.3	1135.4	1140.5	1147.6	1157.7	1170.8	1177.9	1185.0	1188.1	1187.1	1184.0
15°	1149.6	1149.6	1150.6	1156.7	1163.8	1180.0	1190.1	1198.2	1203.3	1201.2	1196.2
17.5°	1205.3	1197.2	1191.1	1181.0	1183.0	1191.1	1197.2	1204.3	1205.3	1203.3	1195.2
20°	1270.1	1260.0	1244.8	1228.6	1220.5	1214.4	1210.3	1210.3	1207.3	1197.2	1184.0
22.5°	1362.3	1349.1	1327.8	1303.5	1287.3	1268.1	1244.8	1222.5	1198.2	1173.9	1145.5
25°	1489.9	1471.7	1449.4	1411.9	1377.5	1337.0	1289.4	1239.7	1182.0	1131.3	1089.8
27.5°	1618.5	1578.0	1520.3	1468.6	1404.8	1344.0	1276.2	1215.4	1141.5	1080.7	1035.1
30°	1724.9	1647.9	1564.8	1482.8	1398.7	1316.7	1235.7	1162.7	1081.7	1019.9	975.4
32.5°	1806.9	1700.6	1585.1	1477.7	1374.4	1274.2	1181.0	1099.9	1017.9	954.1	906.5
35°	1882.9	1735.0	1588.1	1455.5	1327.8	1223.5	1118.2	1030.1	943.0	876.1	824.5
37.5°	1939.6	1751.2	1569.9	1413.9	1267.1	1150.6	1043.2	953.1	864.0	791.0	732.3
40°	1976.1	1741.1	1530.4	1354.2	1195.2	1072.6	963.2	870.0	783.9	703.9	633.0
42.5°	2005.4	1727.9	1490.9	1299.5	1138.4	1004.7	892.3	792.0	704.9	617.8	539.8
45°	2049.0	1738.0	1473.7	1261.0	1087.8	947.0	823.4	719.1	628.0	542.9	467.9
47.5°	2091.5	1743.1	1448.4	1213.4	1024.0	887.3	761.7	660.4	567.2	489.2	420.3
50°	2130.0	1740.1	1408.9	1152.6	962.2	827.5	706.0	604.7	512.5	440.6	375.8
52.5°	2148.2	1722.8	1360.2	1093.9	912.6	774.8	651.3	553.0	461.9	394.0	334.2
55°	2146.2	1678.3	1296.4	1038.2	857.9	719.1	597.6	500.3	418.3	355.5	303.9
57.5°	2115.8	1609.4	1228.6	976.4	786.0	650.2	534.8	440.6	371.7	319.0	275.5
60°	2052.0	1521.3	1139.4	886.2	695.8	565.2	456.8	375.8	320.1	279.5	251.2
62.5°	1932.5	1394.7	1028.0	760.6	574.3	454.8	360.6	307.9	266.4	242.1	228.9
63°	1897.1	1360.2	980.4	730.3	545.9	429.4	340.3	285.6	255.2	234.0	221.8
65°	1720.8	1191.1	820.4	589.5	424.4	331.2	273.5	231.9	213.7	204.6	203.6
67.5°	1393.7	936.9	580.4	404.1	288.7	239.0	209.7	192.4	184.3	182.3	184.3
70°	978.4	591.5	368.7	268.4	213.7	192.4	179.3	172.2	167.1	168.1	170.2
72.5°	623.9	354.5	253.2	203.6	180.3	169.1	163.1	161.0	160.0	159.0	159.0
75°	355.5	236.0	194.5	176.2	164.1	155.0	149.9	147.9	148.9	149.9	147.9
77.5°	235.0	194.5	173.2	161.0	149.9	139.8	136.7	135.7	137.7	139.8	139.8
80°	185.4	173.2	161.0	148.9	130.7	123.6	125.6	126.6	125.6	126.6	123.6
82.5°	130.7	128.6	131.7	126.6	108.4	102.3	100.3	101.3	99.3	99.3	97.2
85°	60.8	60.8	63.8	63.8	61.8	62.8	67.9	73.9	77.0	73.9	69.9
87.5°	0.0	0.0	0.0	0.0	0.0	9.1	18.2	26.3	28.4	35.4	34.4
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: P181046

CATALOG NUMBER: ICS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1078.7	1080.7	1079.7	1078.7	1080.7	1078.7	1079.7	1078.7	1078.7	1077.7	1077.7
5°	1113.1	1116.2	1110.1	1109.1	1107.0	1102.0	1102.0	1099.9	1099.9	1095.9	1092.9
7.5°	1135.4	1136.4	1131.3	1130.3	1125.3	1120.2	1116.2	1112.1	1111.1	1108.1	1102.0
10°	1156.7	1154.6	1150.6	1145.5	1140.5	1133.4	1128.3	1123.2	1122.2	1117.2	1110.1
12.5°	1174.9	1173.9	1165.8	1160.7	1152.6	1145.5	1139.4	1133.4	1130.3	1124.3	1114.1
15°	1187.1	1181.0	1170.8	1161.7	1152.6	1144.5	1137.4	1130.3	1127.3	1120.2	1110.1
17.5°	1182.0	1170.8	1157.7	1146.5	1134.4	1124.3	1118.2	1111.1	1106.0	1102.0	1087.8
20°	1163.8	1147.6	1127.3	1114.1	1097.9	1084.8	1080.7	1073.6	1069.6	1054.4	1036.1
22.5°	1116.2	1092.9	1067.5	1048.3	1030.1	1016.9	1006.8	999.7	989.5	980.4	952.1
25°	1056.4	1030.1	1003.7	980.4	956.1	935.9	917.6	900.4	895.4	876.1	848.8
27.5°	998.7	969.3	943.0	915.6	884.2	858.9	827.5	803.2	787.0	766.7	741.4
30°	936.9	907.5	872.1	835.6	799.1	771.8	736.3	707.0	686.7	665.4	642.1
32.5°	858.9	823.4	780.9	740.4	707.0	674.6	639.1	610.7	590.5	571.2	549.0
35°	769.8	723.2	677.6	633.0	597.6	570.2	538.8	517.6	503.4	486.2	462.9
37.5°	667.5	614.8	566.2	531.7	500.3	474.0	451.7	438.6	423.4	414.3	400.1
40°	564.2	512.5	464.9	433.5	407.2	392.0	379.8	376.8	366.6	354.5	345.4
42.5°	473.0	423.4	376.8	351.5	334.2	330.2	324.1	324.1	319.0	309.9	303.9
45°	411.2	359.6	319.0	300.8	291.7	290.7	287.6	287.6	286.6	282.6	275.5
47.5°	366.6	320.1	288.7	277.5	275.5	273.5	270.4	269.4	268.4	265.4	261.3
50°	326.1	286.6	266.4	261.3	262.3	259.3	256.2	253.2	252.2	249.2	245.1
52.5°	288.7	260.3	247.1	244.1	244.1	244.1	242.1	242.1	240.0	239.0	235.0
55°	267.4	246.1	239.0	238.0	237.0	236.0	234.0	234.0	231.9	230.9	225.9
57.5°	249.2	236.0	231.9	229.9	228.9	226.9	225.9	225.9	225.9	225.9	219.8
60°	235.0	228.9	227.9	225.9	224.9	220.8	218.8	217.8	218.8	219.8	213.7
62.5°	219.8	218.8	217.8	215.7	214.7	210.7	207.6	205.6	207.6	209.7	208.6
63°	215.7	214.7	214.7	213.7	212.7	207.6	204.6	202.6	204.6	206.6	206.6
65°	201.6	202.6	202.6	201.6	200.5	197.5	193.5	191.4	192.4	195.5	196.5
67.5°	186.4	187.4	186.4	187.4	186.4	184.3	181.3	179.3	178.3	179.3	180.3
70°	172.2	174.2	173.2	172.2	171.2	171.2	169.1	166.1	165.1	164.1	164.1
72.5°	160.0	160.0	158.0	158.0	157.0	157.0	155.0	151.9	150.9	150.9	148.9
75°	146.9	146.9	143.8	143.8	141.8	142.8	140.8	137.7	136.7	136.7	135.7
77.5°	138.8	135.7	130.7	129.6	128.6	128.6	127.6	124.6	123.6	123.6	122.6
80°	122.6	116.5	111.4	110.4	111.4	113.4	113.4	111.4	111.4	111.4	111.4
82.5°	95.2	93.2	90.1	88.1	88.1	91.2	95.2	97.2	99.3	101.3	101.3
85°	69.9	70.9	69.9	66.8	65.8	68.9	72.9	77.0	78.0	82.0	81.0
87.5°	37.5	38.5	35.4	34.4	37.5	39.5	43.6	44.6	46.6	47.6	48.6
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: P181046

CATALOG NUMBER: ICS-E04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
2.5°	1076.7	1075.6	1076.7	1074.6	1074.6	1072.6	1070.6	1069.6	1067.5	1066.5	1064.5
5°	1094.9	1091.8	1088.8	1087.8	1083.7	1079.7	1076.7	1071.6	1067.5	1060.4	1058.4
7.5°	1107.0	1099.9	1095.9	1094.9	1088.8	1085.8	1078.7	1072.6	1066.5	1057.4	1054.4
10°	1112.1	1105.0	1097.9	1094.9	1087.8	1082.7	1075.6	1066.5	1061.5	1052.3	1050.3
12.5°	1118.2	1105.0	1093.9	1085.8	1075.6	1064.5	1057.4	1052.3	1045.3	1040.2	1038.2
15°	1107.0	1089.8	1072.6	1057.4	1041.2	1029.0	1022.0	1013.9	1005.8	1002.7	1002.7
17.5°	1076.7	1054.4	1025.0	1005.8	988.5	975.4	966.3	958.2	957.1	953.1	955.1
20°	1013.9	984.5	956.1	941.9	931.8	923.7	914.6	910.5	907.5	901.4	899.4
22.5°	926.8	902.4	882.2	872.1	864.0	853.8	845.7	833.6	830.5	824.5	821.4
25°	830.5	811.3	794.1	787.0	781.9	767.7	762.7	746.5	735.3	728.2	732.3
27.5°	734.3	720.1	703.9	694.8	691.8	678.6	673.5	655.3	646.2	646.2	636.1
30°	635.1	621.9	611.8	601.6	599.6	583.4	570.2	563.1	553.0	549.0	541.9
32.5°	541.9	528.7	520.6	515.5	507.4	494.3	481.1	468.9	452.7	446.7	443.6
35°	455.8	445.7	435.5	431.5	420.3	406.2	389.9	379.8	360.6	353.5	350.4
37.5°	389.9	377.8	370.7	359.6	348.4	333.2	321.1	312.0	304.9	301.8	301.8
40°	337.3	328.2	320.1	310.9	301.8	293.7	287.6	285.6	284.6	284.6	286.6
42.5°	297.8	289.7	285.6	280.6	277.5	277.5	276.5	277.5	278.5	279.5	282.6
45°	271.4	266.4	264.4	263.3	265.4	267.4	268.4	270.4	274.5	276.5	277.5
47.5°	257.3	253.2	252.2	253.2	256.2	260.3	264.4	267.4	270.4	271.4	272.5
50°	243.1	238.0	236.0	238.0	242.1	248.1	251.2	256.2	258.3	260.3	258.3
52.5°	230.9	226.9	225.9	225.9	229.9	234.0	238.0	242.1	243.1	243.1	242.1
55°	220.8	217.8	214.7	216.7	219.8	223.8	229.9	233.0	235.0	236.0	236.0
57.5°	212.7	209.7	206.6	208.6	211.7	215.7	221.8	224.9	226.9	229.9	230.9
60°	206.6	202.6	199.5	202.6	205.6	211.7	216.7	219.8	224.9	225.9	225.9
62.5°	200.5	196.5	191.4	194.5	194.5	197.5	202.6	206.6	211.7	213.7	213.7
63°	199.5	195.5	190.4	192.4	192.4	194.5	198.5	202.6	208.6	210.7	209.7
65°	191.4	190.4	185.4	185.4	183.3	185.4	188.4	192.4	195.5	198.5	198.5
67.5°	178.3	177.2	176.2	176.2	176.2	178.3	180.3	183.3	186.4	188.4	187.4
70°	163.1	163.1	163.1	164.1	164.1	166.1	167.1	166.1	169.1	171.2	170.2
72.5°	149.9	148.9	147.9	149.9	148.9	148.9	150.9	149.9	152.9	152.9	154.0
75°	135.7	134.7	134.7	135.7	133.7	131.7	132.7	132.7	133.7	133.7	135.7
77.5°	123.6	123.6	123.6	122.6	120.5	119.5	118.5	118.5	118.5	118.5	119.5
80°	112.4	112.4	112.4	111.4	109.4	107.4	105.3	104.3	103.3	98.2	98.2
82.5°	101.3	101.3	101.3	101.3	100.3	98.2	95.2	87.1	83.1	79.0	80.0
85°	80.0	82.0	84.1	87.1	86.1	86.1	80.0	69.9	63.8	59.8	60.8
87.5°	51.7	45.6	45.6	44.6	42.5	40.5	40.5	34.4	28.4	25.3	26.3
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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 CATALOG NUMBER: ICS-E04-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	0°
2.5°	1064.5	1062.5	1060.4	1060.4	1057.4	1057.4	1055.4	1059.4	1055.4	1052.3	1052.3	2.5°
5°	1056.4	1054.4	1048.3	1047.3	1043.2	1043.2	1043.2	1041.2	1041.2	1039.2	1038.2	5°
7.5°	1051.3	1046.3	1041.2	1038.2	1038.2	1036.1	1040.2	1038.2	1039.2	1039.2	1040.2	7.5°
10°	1047.3	1043.2	1041.2	1040.2	1040.2	1043.2	1046.3	1047.3	1046.3	1047.3	1047.3	10°
12.5°	1037.2	1039.2	1040.2	1044.2	1049.3	1055.4	1062.5	1063.5	1065.5	1065.5	1067.5	12.5°
15°	1004.7	1009.8	1015.9	1026.0	1039.2	1052.3	1065.5	1076.7	1086.8	1091.8	1095.9	15°
17.5°	959.2	964.2	975.4	986.5	1003.7	1023.0	1045.3	1064.5	1085.8	1105.0	1124.3	17.5°
20°	897.4	905.5	908.5	928.8	949.0	975.4	1001.7	1032.1	1068.6	1105.0	1142.5	20°
22.5°	817.4	826.5	840.7	856.9	878.1	910.5	941.9	989.5	1038.2	1089.8	1148.6	22.5°
25°	728.2	738.4	750.5	767.7	789.0	823.4	869.0	919.7	979.4	1047.3	1120.2	25°
27.5°	636.1	646.2	656.3	668.5	692.8	729.2	782.9	835.6	901.4	975.4	1060.4	27.5°
30°	543.9	544.9	551.0	566.2	591.5	639.1	678.6	744.4	813.3	891.3	989.5	30°
32.5°	442.6	441.6	448.7	461.9	486.2	531.7	580.4	644.2	712.0	810.3	911.6	32.5°
35°	352.5	352.5	365.6	378.8	406.2	438.6	481.1	537.8	617.8	709.0	810.3	35°
37.5°	304.9	312.0	320.1	333.2	354.5	379.8	417.3	466.9	529.7	616.8	710.0	37.5°
40°	289.7	293.7	300.8	313.0	331.2	354.5	381.8	419.3	467.9	537.8	622.9	40°
42.5°	283.6	284.6	288.7	297.8	314.0	337.3	365.6	399.1	435.5	485.2	559.1	42.5°
45°	277.5	276.5	278.5	285.6	298.8	325.1	357.5	394.0	430.5	472.0	532.8	45°
47.5°	272.5	272.5	272.5	275.5	287.6	314.0	351.5	394.0	437.5	484.1	543.9	47.5°
50°	258.3	257.3	257.3	259.3	268.4	296.8	341.3	393.0	449.7	510.5	578.3	50°
52.5°	242.1	242.1	243.1	244.1	252.2	280.6	330.2	393.0	463.9	544.9	630.0	52.5°
55°	237.0	238.0	239.0	238.0	244.1	268.4	318.0	386.9	470.0	572.3	685.7	55°
57.5°	233.0	235.0	235.0	234.0	238.0	258.3	305.9	374.8	464.9	582.4	725.2	57.5°
60°	226.9	226.9	226.9	223.8	225.9	244.1	287.6	355.5	448.7	573.3	731.3	60°
62.5°	213.7	213.7	211.7	210.7	209.7	223.8	263.3	327.1	419.3	549.0	716.1	62.5°
63°	210.7	209.7	209.7	206.6	206.6	219.8	258.3	323.1	411.2	542.9	710.0	63°
65°	199.5	199.5	199.5	197.5	196.5	206.6	238.0	294.7	379.8	514.5	679.6	65°
67.5°	187.4	188.4	186.4	185.4	184.3	190.4	214.7	259.3	331.2	454.8	622.9	67.5°
70°	170.2	171.2	171.2	170.2	169.1	173.2	188.4	222.8	274.5	378.8	530.7	70°
72.5°	155.0	157.0	157.0	159.0	159.0	162.1	168.1	185.4	219.8	295.8	417.3	72.5°
75°	138.8	139.8	141.8	143.8	141.8	140.8	141.8	155.0	172.2	218.8	297.8	75°
77.5°	124.6	127.6	127.6	126.6	123.6	121.5	121.5	127.6	141.8	166.1	212.7	77.5°
80°	103.3	108.4	109.4	106.3	103.3	103.3	105.3	109.4	118.5	136.7	161.0	80°
82.5°	83.1	88.1	89.1	90.1	89.1	92.2	92.2	93.2	98.2	112.4	131.7	82.5°
85°	63.8	67.9	70.9	71.9	72.9	73.9	72.9	67.9	70.9	80.0	89.1	85°
87.5°	28.4	29.4	27.3	28.4	27.3	28.4	29.4	24.3	23.3	31.4	32.4	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: P181046

NUMBER: ICS-E04-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1062.5	1062.5	1062.5	1062.5	1062.5	1062.5	1062.5
1051.3	1051.3	1052.3	1050.3	1050.3	1051.3	1048.3
1035.1	1039.2	1039.2	1039.2	1037.2	1039.2	1040.2
1039.2	1042.2	1044.2	1044.2	1043.2	1047.3	1050.3
1044.2	1049.3	1051.3	1051.3	1051.3	1056.4	1063.5
1063.5	1067.5	1070.6	1070.6	1072.6	1078.7	1086.8
1098.9	1104.0	1104.0	1103.0	1109.1	1116.2	1125.3
1138.4	1152.6	1159.7	1158.7	1163.8	1172.9	1183.0
1175.9	1215.4	1232.6	1244.8	1249.8	1262.0	1265.0
1207.3	1273.1	1320.7	1361.3	1380.5	1392.7	1406.8
1196.2	1285.3	1370.4	1453.4	1512.2	1571.9	1597.3
1150.6	1262.0	1373.4	1495.0	1601.3	1707.7	1784.6
1094.9	1228.6	1378.5	1550.7	1718.8	1881.9	2011.5
1031.1	1197.2	1389.6	1602.3	1823.1	2036.8	2224.2
951.1	1137.4	1362.3	1607.4	1867.7	2127.0	2370.1
849.8	1056.4	1298.5	1570.9	1869.7	2166.5	2457.2
748.5	954.1	1217.4	1518.3	1843.4	2175.6	2511.9
677.6	862.9	1135.4	1451.4	1800.8	2161.4	2538.2
629.0	797.1	1062.5	1390.6	1755.3	2136.1	2542.2
624.9	768.7	1014.9	1346.1	1718.8	2113.8	2542.2
659.4	783.9	998.7	1323.8	1703.6	2106.7	2544.3
724.2	844.7	1028.0	1341.0	1715.8	2115.8	2553.4
802.2	936.9	1107.0	1400.8	1767.4	2146.2	2573.6
873.1	1043.2	1241.7	1516.2	1861.6	2223.2	2630.4
914.6	1134.4	1384.6	1678.3	2022.6	2376.1	2743.8
919.7	1185.0	1511.2	1854.5	2218.1	2551.4	2925.1
915.6	1189.1	1527.4	1887.9	2259.7	2594.9	2987.9
893.3	1190.1	1572.9	2005.4	2403.5	2778.2	3163.1
836.6	1157.7	1589.2	2097.6	2584.8	3019.3	3490.3
738.4	1065.5	1541.5	2099.6	2654.7	3154.0	3696.9
593.5	890.3	1335.9	1910.2	2470.3	3021.3	3643.2
434.5	654.3	1009.8	1479.8	2015.6	2514.9	3120.6
288.7	423.4	680.6	1054.4	1445.3	1810.0	2246.5
198.5	262.3	398.0	634.0	884.2	1061.5	1431.1
145.8	173.2	220.8	324.1	425.4	523.6	747.5
91.2	99.3	110.4	160.0	228.9	308.9	465.9
24.3	25.3	23.3	31.4	49.6	47.6	52.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)