

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: P180977

Luminaire Tested: **ICM-E03-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180977
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-E03-LED-E1-SLL-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7092.2 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

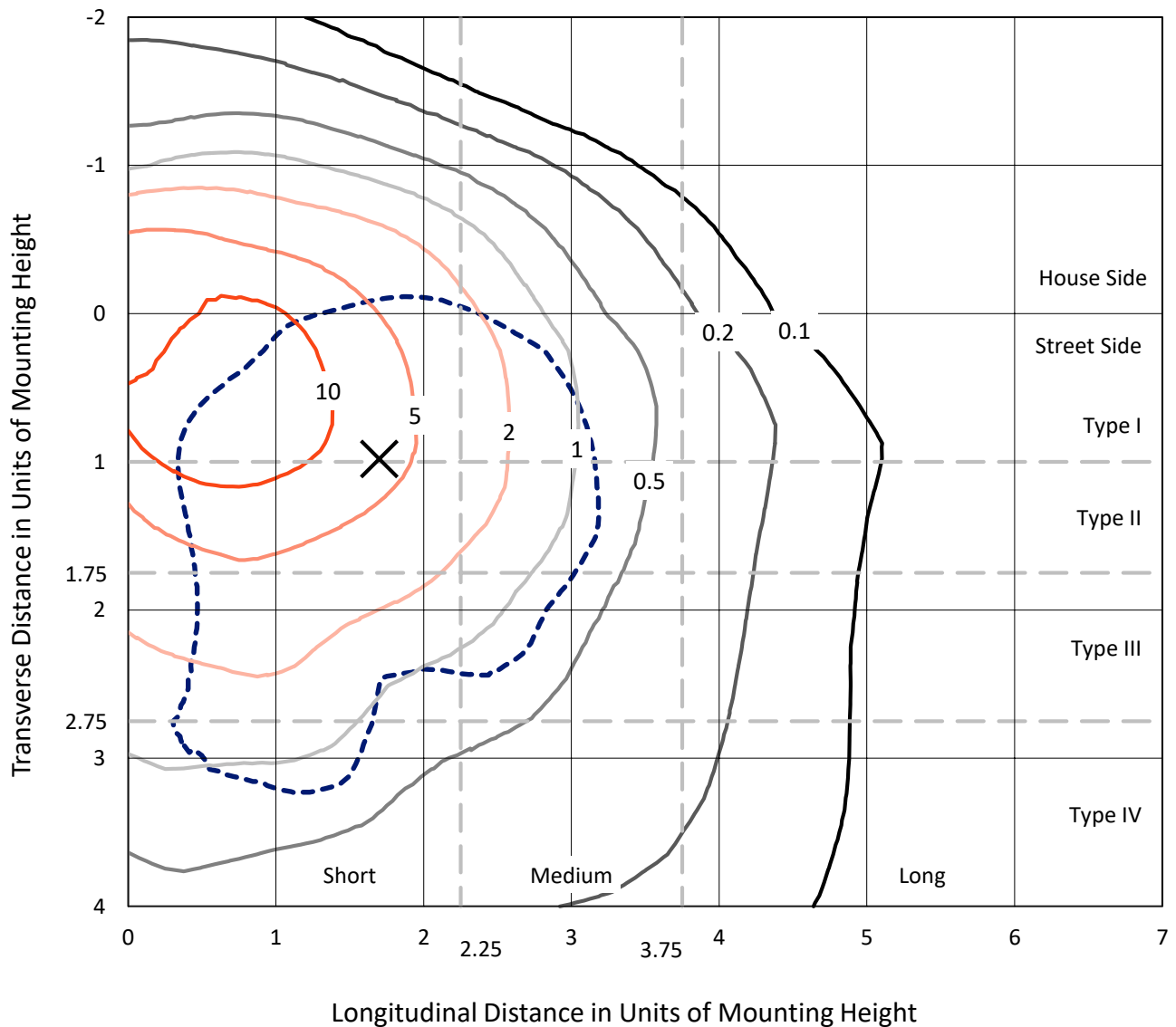
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180977
 CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

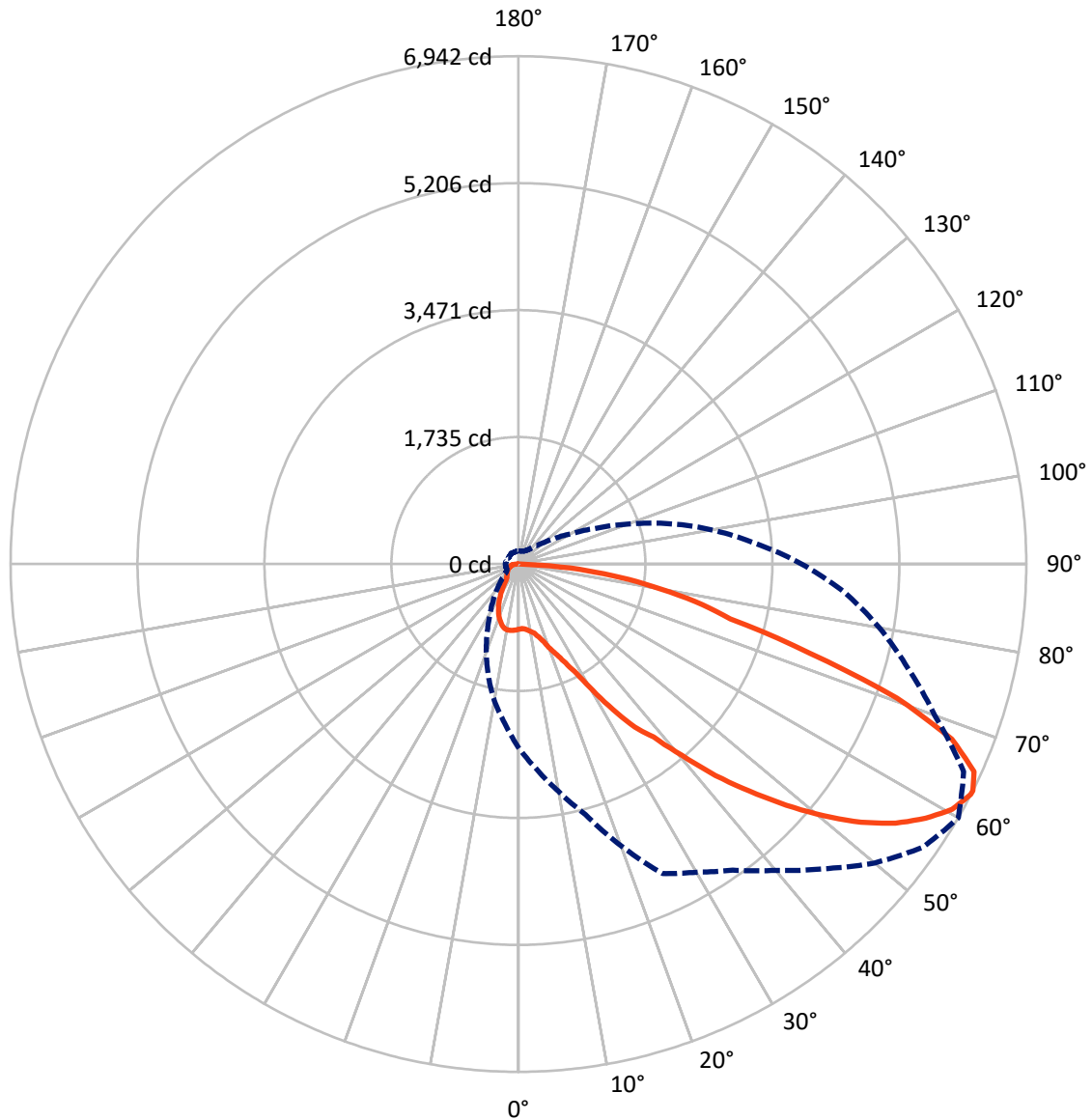
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P180977
CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180977

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1537.9	0.0	1537.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5554.3	0.0	5554.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	7092.2	0.0	7092.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	1.2
10°-20°	270.2	3.8
20°-30°	480.0	6.8
30°-40°	755.9	10.7
40°-50°	1112.5	15.7
50°-60°	1477.7	20.8
60°-70°	1627.7	23.0
70°-80°	1021.2	14.4
80°-90°	260.1	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°	7092.2	100.0
0°-180°	7092.2	100.0



REPORT NUMBER: P180977

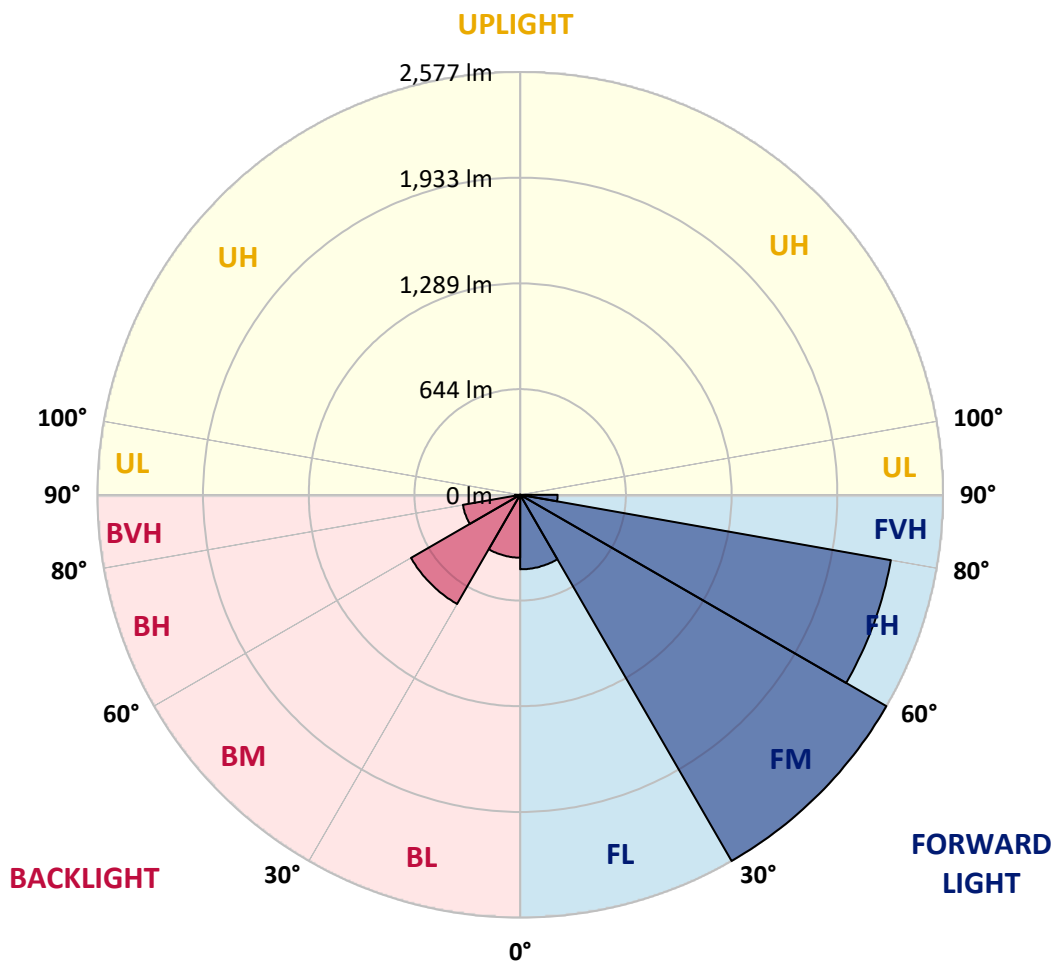
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.1	6.4			
FM	(30°-60°)	2577.5	36.3			
FH	(60°-80°)	2294.4	32.4			G2/5000
FVH	(80°-90°)	228.3	3.2			G3/500
BL	(0°-30°)	382.9	5.4	B1/500		
BM	(30°-60°)	768.7	10.8	B1/1000		
BH	(60°-80°)	354.5	5.0	B1/500		G1/500
BVH	(80°-90°)	31.8	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: P180977

CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	879.4	881.0	881.0	880.2	880.2	882.0	881.0	880.2	877.7	881.0	881.0
5°	872.6	874.2	874.2	876.0	877.7	879.4	879.4	881.0	880.2	883.6	886.1
7.5°	881.0	882.8	886.1	890.4	892.9	898.9	898.9	903.2	904.8	907.4	906.5
10°	892.1	896.4	904.0	910.8	915.9	922.7	927.8	933.8	933.8	936.3	938.0
12.5°	911.6	915.9	924.4	932.9	940.6	949.0	956.7	962.6	968.6	970.2	973.7
15°	943.9	949.0	961.8	973.7	983.0	994.1	1004.3	1016.2	1027.2	1029.8	1031.4
17.5°	992.4	1002.6	1011.9	1033.1	1046.7	1061.2	1077.3	1094.3	1097.7	1115.5	1119.8
20°	1061.2	1074.0	1082.4	1108.8	1131.7	1150.4	1174.2	1193.8	1201.4	1218.3	1235.4
22.5°	1180.1	1177.6	1190.3	1216.7	1233.7	1271.1	1291.4	1311.8	1322.1	1347.5	1361.1
25°	1339.9	1353.5	1381.5	1384.0	1400.2	1443.5	1469.9	1490.2	1491.1	1498.8	1513.2
27.5°	1497.0	1553.1	1597.3	1621.1	1664.5	1704.4	1702.7	1731.5	1686.5	1695.8	1709.5
30°	1687.4	1780.8	1864.1	1920.2	1964.4	2011.1	2034.1	2050.2	2030.6	2022.2	2006.0
32.5°	1865.8	1996.7	2124.9	2224.4	2306.7	2384.1	2435.1	2458.0	2485.1	2554.0	2578.6
35°	1988.1	2173.4	2333.1	2476.7	2614.3	2737.5	2826.7	2877.7	2858.2	2848.9	2843.7
37.5°	2061.2	2287.2	2486.9	2690.0	2848.0	3032.3	3170.8	3305.0	3335.6	3282.2	3255.8
40°	2107.1	2374.7	2631.3	2870.9	3075.6	3313.6	3485.2	3686.5	3839.5	3859.9	3797.0
42.5°	2129.2	2433.3	2732.4	3003.5	3280.4	3571.8	3789.3	4033.2	4261.8	4418.9	4379.8
45°	2132.6	2471.6	2806.3	3123.3	3453.0	3798.7	4079.1	4349.2	4655.1	4924.5	4932.1
47.5°	2132.6	2500.5	2857.3	3209.9	3607.6	3995.8	4301.7	4621.1	4995.8	5314.5	5412.1
50°	2134.2	2520.0	2904.9	3277.9	3725.6	4162.4	4508.1	4885.4	5279.7	5626.3	5814.9
52.5°	2142.0	2534.4	2942.3	3326.3	3802.1	4279.6	4668.8	5103.8	5496.3	5852.3	6096.1
55°	2158.9	2554.8	2969.5	3356.0	3853.0	4356.0	4785.1	5253.2	5636.5	5997.5	6338.3
57.5°	2206.5	2590.5	3002.6	3382.3	3881.1	4406.2	4866.7	5317.9	5690.0	6066.4	6466.6
60°	2301.7	2666.2	3059.6	3435.1	3927.8	4498.8	4905.8	5274.5	5650.9	6046.0	6495.5
62.5°	2453.8	2784.2	3138.5	3524.3	4061.2	4642.4	4876.0	5145.3	5497.1	5927.9	6392.6
63°	2506.4	2809.7	3156.4	3543.8	4097.8	4668.8	4863.3	5107.1	5465.7	5890.5	6356.1
65°	2653.4	2922.7	3241.3	3642.3	4248.2	4695.1	4763.9	4908.3	5248.2	5677.2	6140.3
67.5°	2927.8	3197.1	3424.0	3808.9	4374.7	4591.4	4455.5	4473.3	4828.5	5272.9	5689.2
70°	3101.1	3422.3	3540.4	3830.2	4351.8	4437.6	4056.1	3819.9	4104.6	4611.0	4975.5
72.5°	3056.1	3424.9	3412.1	3547.2	3893.0	3972.9	3577.8	3205.7	3374.7	3752.9	3989.0
75°	2617.7	3058.7	2965.2	2938.1	3059.6	3112.2	2815.6	2758.7	2972.0	3181.9	3185.3
77.5°	1884.5	2369.6	2260.0	2102.8	2094.3	2215.8	2255.7	2628.8	2944.0	3109.7	3036.6
80°	1200.6	1726.4	1612.6	1338.1	1334.0	1491.9	1842.9	2350.1	2684.0	2776.6	2586.2
82.5°	627.1	1130.1	1173.3	1004.3	1149.6	1411.3	1753.7	1893.9	2020.4	2033.1	1808.8
85°	390.8	695.0	817.3	843.7	1038.2	1251.5	1248.9	1199.7	1143.6	978.8	885.3
87.5°	44.2	87.5	132.6	125.8	169.1	237.0	295.6	173.3	121.5	44.2	61.2
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: P180977

CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	882.8	883.6	884.5	884.5	888.7	887.9	888.7	890.4	892.9	894.7	896.4
5°	889.6	889.6	892.9	895.5	900.7	904.0	905.7	910.8	916.7	915.1	920.2
7.5°	911.6	910.8	914.2	915.9	920.2	926.1	925.2	929.5	934.6	936.3	940.6
10°	941.4	938.9	938.9	937.1	938.0	936.3	936.3	936.3	939.7	938.9	942.2
12.5°	972.0	971.2	969.4	964.4	964.4	957.5	954.1	949.9	949.0	943.1	943.9
15°	1034.9	1034.9	1031.4	1021.2	1012.8	1006.8	998.3	992.4	983.9	972.8	966.9
17.5°	1126.6	1114.7	1110.4	1108.8	1095.2	1090.1	1071.4	1051.8	1042.5	1027.2	1018.7
20°	1238.8	1236.2	1219.3	1210.7	1193.8	1170.0	1146.1	1120.7	1105.4	1086.7	1076.5
22.5°	1365.4	1346.7	1338.1	1325.4	1299.1	1271.9	1236.2	1202.2	1178.4	1165.7	1158.1
25°	1513.2	1494.5	1486.0	1469.0	1436.8	1407.8	1363.6	1323.7	1302.5	1281.2	1269.3
27.5°	1709.5	1691.6	1681.4	1637.2	1626.2	1578.6	1524.3	1469.9	1441.9	1410.4	1390.0
30°	2002.6	2003.5	1950.8	1897.2	1842.0	1759.5	1702.7	1641.5	1595.6	1550.6	1505.6
32.5°	2497.9	2371.4	2273.6	2158.9	2039.1	1951.6	1881.1	1808.0	1744.3	1678.9	1604.1
35°	2800.4	2739.2	2612.7	2402.8	2282.2	2175.9	2097.8	2009.4	1931.2	1815.6	1701.8
37.5°	3142.0	3000.0	2846.2	2729.9	2593.0	2469.9	2339.1	2238.8	2103.7	1948.2	1786.8
40°	3640.7	3437.6	3252.4	3096.0	2919.4	2790.2	2644.0	2498.8	2319.5	2094.3	1872.6
42.5°	4161.5	3951.7	3706.9	3503.9	3295.7	3144.5	2963.6	2759.6	2496.2	2217.5	1946.5
45°	4707.8	4427.5	4134.4	3886.3	3669.6	3481.8	3257.5	2987.3	2666.2	2328.0	2015.4
47.5°	5246.5	4924.5	4575.3	4308.5	4026.4	3797.0	3521.7	3180.2	2798.7	2432.5	2084.1
50°	5721.4	5411.3	4990.7	4651.7	4366.3	4083.4	3740.1	3328.9	2903.2	2522.5	2146.2
52.5°	6130.9	5864.1	5421.5	4993.3	4664.5	4346.7	3915.9	3448.7	3008.6	2605.8	2197.1
55°	6431.8	6254.2	5846.4	5315.3	4927.0	4548.1	4064.7	3564.2	3107.9	2672.1	2230.2
57.5°	6658.6	6560.0	6210.0	5618.6	5168.3	4743.5	4218.4	3702.7	3206.5	2729.0	2245.6
60°	6782.6	6809.8	6485.2	5883.8	5381.6	4906.6	4372.2	3820.8	3279.6	2762.2	2237.1
62.5°	6770.7	6937.3	6691.7	6046.8	5505.6	5003.5	4475.8	3876.0	3269.4	2709.5	2159.7
63°	6747.8	6941.5	6714.6	6057.9	5513.2	5006.9	4478.4	3868.4	3248.1	2684.0	2129.2
65°	6549.8	6843.8	6695.1	6007.8	5445.3	4943.2	4424.9	3757.9	3098.6	2547.2	1972.0
67.5°	6019.7	6387.6	6345.1	5653.4	5123.3	4679.7	4151.3	3402.0	2729.0	2210.7	1671.3
70°	5143.7	5489.5	5497.1	4916.9	4474.2	4039.2	3599.9	2768.1	2163.2	1713.7	1246.4
72.5°	3942.3	4164.9	4242.3	3859.9	3563.4	3257.5	2863.3	2009.4	1542.1	1165.7	811.4
75°	3052.8	2991.6	2990.7	2829.3	2708.7	2559.1	2125.8	1356.0	1012.8	757.9	496.2
77.5°	2744.3	2472.4	2209.0	2015.4	1918.4	1868.4	1394.2	817.3	597.3	435.8	285.5
80°	2263.5	1862.4	1504.7	1295.7	1212.5	1270.2	777.4	441.8	327.1	248.1	185.2
82.5°	1560.8	1295.7	984.8	815.6	700.1	732.4	397.6	226.0	151.3	138.5	114.7
85°	813.1	712.8	601.6	516.6	456.3	401.0	206.4	107.9	62.9	55.3	50.1
87.5°	0.0	0.8	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: P180977

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	898.9	898.1	899.7	900.7	903.2	904.8	905.7	904.0	906.5	909.1	907.4
5°	922.7	928.7	929.5	932.0	932.0	937.1	937.1	937.1	936.3	937.1	935.4
7.5°	943.1	950.7	951.6	955.0	955.8	961.8	959.3	960.9	960.9	956.7	955.0
10°	945.7	953.3	957.5	961.8	967.7	975.4	975.4	979.6	979.6	976.2	975.4
12.5°	946.5	952.5	956.7	962.6	971.2	982.1	988.1	994.1	996.7	995.7	993.2
15°	964.4	964.4	965.2	970.2	976.2	989.9	998.3	1005.1	1009.4	1007.6	1003.4
17.5°	1011.1	1004.3	999.2	990.7	992.4	999.2	1004.3	1010.2	1011.1	1009.4	1002.6
20°	1065.4	1056.9	1044.2	1030.6	1023.8	1018.7	1015.4	1015.4	1012.8	1004.3	993.2
22.5°	1142.8	1131.7	1113.9	1093.5	1079.9	1063.7	1044.2	1025.5	1005.1	984.8	960.9
25°	1249.8	1234.5	1215.8	1184.4	1155.5	1121.5	1081.6	1039.9	991.5	949.0	914.2
27.5°	1357.7	1323.7	1275.3	1232.0	1178.4	1127.4	1070.5	1019.5	957.5	906.5	868.3
30°	1446.9	1382.3	1312.7	1243.8	1173.3	1104.6	1036.6	975.4	907.4	855.5	818.2
32.5°	1515.7	1426.5	1329.7	1239.6	1152.9	1068.8	990.7	922.7	853.9	800.4	760.4
35°	1579.5	1455.5	1332.2	1220.9	1113.9	1026.3	938.0	864.1	791.0	734.9	691.6
37.5°	1627.1	1469.0	1316.9	1186.1	1062.9	965.2	875.2	799.5	724.7	663.5	614.3
40°	1657.6	1460.5	1283.8	1135.9	1002.6	899.7	808.0	729.9	657.6	590.5	531.0
42.5°	1682.2	1449.5	1250.7	1090.1	955.0	842.8	748.6	664.4	591.4	518.2	452.8
45°	1718.8	1458.0	1236.2	1057.8	912.5	794.4	690.8	603.3	526.8	455.4	392.6
47.5°	1754.5	1462.2	1215.0	1017.9	859.0	744.3	638.9	554.0	475.8	410.3	352.6
50°	1786.8	1459.6	1181.9	966.9	807.2	694.1	592.2	507.3	430.0	369.6	315.3
52.5°	1802.1	1445.2	1141.0	917.6	765.5	650.0	546.3	463.9	387.4	330.5	280.4
55°	1800.4	1407.8	1087.5	870.9	719.6	603.3	501.3	419.7	350.9	298.2	254.9
57.5°	1774.9	1350.1	1030.6	819.1	659.4	545.5	448.6	369.6	311.8	267.6	231.1
60°	1721.3	1276.2	955.8	743.4	583.7	474.0	383.2	315.3	268.5	234.5	210.7
62.5°	1621.1	1170.0	862.4	638.1	481.8	381.5	302.5	258.3	223.4	203.1	192.0
63°	1591.4	1141.0	822.4	612.6	458.0	360.3	285.5	239.6	214.1	196.3	186.0
65°	1443.5	999.2	688.2	494.5	356.0	277.9	229.4	194.6	179.3	171.6	170.8
67.5°	1169.1	785.9	486.8	339.0	242.1	200.6	175.9	161.4	154.6	152.9	154.6
70°	820.7	496.2	309.3	225.1	179.3	161.4	150.4	144.5	140.2	141.0	142.7
72.5°	523.4	297.4	212.4	170.8	151.3	141.9	136.7	135.1	134.2	133.4	133.4
75°	298.2	198.0	163.2	147.8	137.7	130.0	125.8	124.0	124.9	125.8	124.0
77.5°	197.1	163.2	145.3	135.1	125.8	117.2	114.7	113.9	115.5	117.2	117.2
80°	155.4	145.3	135.1	124.9	109.6	103.6	105.4	106.2	105.4	106.2	103.6
82.5°	109.6	107.9	110.4	106.2	90.9	85.8	84.1	84.9	83.3	83.3	81.6
85°	51.0	51.0	53.5	53.5	51.8	52.7	56.9	62.0	64.6	62.0	58.6
87.5°	0.0	0.0	0.0	0.0	0.0	7.6	15.3	22.0	23.8	29.8	28.9
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: P180977

CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	904.8	906.5	905.7	904.8	906.5	904.8	905.7	904.8	904.8	904.0	904.0
5°	933.8	936.3	931.2	930.3	928.7	924.4	924.4	922.7	922.7	919.3	916.7
7.5°	952.5	953.3	949.0	948.2	943.9	939.7	936.3	932.9	932.0	929.5	924.4
10°	970.2	968.6	965.2	960.9	956.7	950.7	946.5	942.2	941.4	937.1	931.2
12.5°	985.6	984.8	978.0	973.7	966.9	960.9	955.8	950.7	948.2	943.1	934.6
15°	995.7	990.7	982.1	974.5	966.9	960.1	954.1	948.2	945.7	939.7	931.2
17.5°	991.5	982.1	971.2	961.8	951.6	943.1	938.0	932.0	927.8	924.4	912.5
20°	976.2	962.6	945.7	934.6	921.0	910.0	906.5	900.7	897.2	884.5	869.2
22.5°	936.3	916.7	895.5	879.4	864.1	853.0	844.6	838.6	830.1	822.4	798.6
25°	886.1	864.1	842.0	822.4	802.1	785.0	769.8	755.4	751.1	734.9	712.0
27.5°	837.8	813.1	791.0	768.1	741.8	720.5	694.1	673.8	660.2	643.2	622.0
30°	785.9	761.3	731.5	700.9	670.3	647.4	617.7	593.0	576.1	558.2	538.7
32.5°	720.5	690.8	655.1	621.1	593.0	565.9	536.1	512.4	495.4	479.2	460.5
35°	645.7	606.6	568.4	531.0	501.3	478.3	452.0	434.1	422.2	407.8	388.3
37.5°	559.9	515.7	475.0	446.0	419.7	397.6	379.0	367.9	355.2	347.5	335.6
40°	473.2	430.0	390.0	363.6	341.6	328.8	318.6	316.1	307.5	297.4	289.8
42.5°	396.7	355.2	316.1	294.8	280.4	277.0	271.9	271.9	267.6	260.0	254.9
45°	344.9	301.6	267.6	252.4	244.7	243.8	241.3	241.3	240.5	237.0	231.1
47.5°	307.5	268.5	242.1	232.8	231.1	229.4	226.9	226.0	225.1	222.6	219.2
50°	273.6	240.5	223.4	219.2	220.1	217.5	215.0	212.4	211.5	209.0	205.6
52.5°	242.1	218.3	207.4	204.7	204.7	204.7	203.1	203.1	201.4	200.6	197.1
55°	224.3	206.4	200.6	199.6	198.8	198.0	196.3	196.3	194.6	193.7	189.5
57.5°	209.0	198.0	194.6	192.8	192.0	190.3	189.5	189.5	189.5	189.5	184.4
60°	197.1	192.0	191.2	189.5	188.7	185.2	183.5	182.7	183.5	184.4	179.3
62.5°	184.4	183.5	182.7	180.9	180.1	176.7	174.1	172.5	174.1	175.9	175.1
63°	180.9	180.1	180.1	179.3	178.4	174.1	171.6	170.0	171.6	173.3	173.3
65°	169.1	170.0	170.0	169.1	168.2	165.7	162.2	160.6	161.4	164.0	164.8
67.5°	156.4	157.2	156.4	157.2	156.4	154.6	152.1	150.4	149.5	150.4	151.3
70°	144.5	146.1	145.3	144.5	143.6	143.6	141.9	139.3	138.5	137.7	137.7
72.5°	134.2	134.2	132.6	132.6	131.7	131.7	130.0	127.4	126.6	126.6	124.9
75°	123.2	123.2	120.7	120.7	119.0	119.8	118.1	115.5	114.7	114.7	113.9
77.5°	116.4	113.9	109.6	108.7	107.9	107.9	107.1	104.5	103.6	103.6	102.8
80°	102.8	97.7	93.5	92.7	93.5	95.2	95.2	93.5	93.5	93.5	93.5
82.5°	79.9	78.1	75.6	74.0	74.0	76.5	79.9	81.6	83.3	84.9	84.9
85°	58.6	59.4	58.6	56.1	55.3	57.8	61.2	64.6	65.4	68.8	68.0
87.5°	31.4	32.3	29.8	28.9	31.4	33.1	36.6	37.4	39.1	39.9	40.7
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: P180977

CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	903.2	902.3	903.2	901.5	901.5	899.7	898.1	897.2	895.5	894.7	892.9
5°	918.4	915.9	913.4	912.5	909.1	905.7	903.2	898.9	895.5	889.6	887.9
7.5°	928.7	922.7	919.3	918.4	913.4	910.8	904.8	899.7	894.7	887.0	884.5
10°	932.9	927.0	921.0	918.4	912.5	908.3	902.3	894.7	890.4	882.8	881.0
12.5°	938.0	927.0	917.6	910.8	902.3	892.9	887.0	882.8	876.8	872.6	870.9
15°	928.7	914.2	899.7	887.0	873.4	863.3	857.3	850.5	843.7	841.1	841.1
17.5°	903.2	884.5	859.8	843.7	829.2	818.2	810.5	803.7	802.9	799.5	801.2
20°	850.5	825.9	802.1	790.1	781.7	774.9	767.3	763.8	761.3	756.2	754.5
22.5°	777.4	757.0	740.0	731.5	724.7	716.3	709.4	699.3	696.7	691.6	689.0
25°	696.7	680.6	666.1	660.2	655.9	644.0	639.8	626.1	616.8	610.9	614.3
27.5°	616.0	604.1	590.5	582.9	580.3	569.2	565.0	549.7	542.0	542.0	533.6
30°	532.7	521.7	513.2	504.7	503.0	489.4	478.3	472.4	463.9	460.5	454.5
32.5°	454.5	443.5	436.7	432.5	425.7	414.6	403.5	393.4	379.8	374.7	372.1
35°	382.3	373.9	365.3	362.0	352.6	340.7	327.1	318.6	302.5	296.6	294.0
37.5°	327.1	316.9	311.0	301.6	292.3	279.5	269.3	261.7	255.7	253.2	253.2
40°	282.9	275.3	268.5	260.8	253.2	246.4	241.3	239.6	238.8	238.8	240.5
42.5°	249.8	243.0	239.6	235.4	232.8	232.8	231.9	232.8	233.7	234.5	237.0
45°	227.7	223.4	221.8	220.9	222.6	224.3	225.1	226.9	230.2	231.9	232.8
47.5°	215.8	212.4	211.5	212.4	215.0	218.3	221.8	224.3	226.9	227.7	228.6
50°	203.9	199.6	198.0	199.6	203.1	208.2	210.7	215.0	216.7	218.3	216.7
52.5°	193.7	190.3	189.5	189.5	192.8	196.3	199.6	203.1	203.9	203.9	203.1
55°	185.2	182.7	180.1	181.9	184.4	187.8	192.8	195.4	197.1	198.0	198.0
57.5°	178.4	175.9	173.3	175.1	177.6	180.9	186.0	188.7	190.3	192.8	193.7
60°	173.3	170.0	167.3	170.0	172.5	177.6	181.9	184.4	188.7	189.5	189.5
62.5°	168.2	164.8	160.6	163.2	163.2	165.7	170.0	173.3	177.6	179.3	179.3
63°	167.3	164.0	159.7	161.4	161.4	163.2	166.5	170.0	175.1	176.7	175.9
65°	160.6	159.7	155.4	155.4	153.8	155.4	158.0	161.4	164.0	166.5	166.5
67.5°	149.5	148.7	147.8	147.8	147.8	149.5	151.3	153.8	156.4	158.0	157.2
70°	136.7	136.7	136.7	137.7	137.7	139.3	140.2	139.3	141.9	143.6	142.7
72.5°	125.8	124.9	124.0	125.8	124.9	124.9	126.6	125.8	128.3	128.3	129.1
75°	113.9	113.0	113.0	113.9	112.2	110.4	111.3	111.3	112.2	112.2	113.9
77.5°	103.6	103.6	103.6	102.8	101.1	100.3	99.4	99.4	99.4	99.4	100.3
80°	94.3	94.3	94.3	93.5	91.7	90.0	88.4	87.5	86.7	82.4	82.4
82.5°	84.9	84.9	84.9	84.9	84.1	82.4	79.9	73.0	69.7	66.2	67.2
85°	67.2	68.8	70.5	73.0	72.2	72.2	67.2	58.6	53.5	50.1	51.0
87.5°	43.3	38.2	38.2	37.4	35.7	34.0	34.0	28.9	23.8	21.2	22.0
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: P180977
 CATALOG NUMBER: ICM-E03-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	0°
2.5°	892.9	891.3	889.6	889.6	887.0	887.0	885.3	888.7	885.3	882.8	882.8	2.5°
5°	886.1	884.5	879.4	878.5	875.2	875.2	875.2	873.4	873.4	871.7	870.9	5°
7.5°	882.0	877.7	873.4	870.9	870.9	869.2	872.6	870.9	871.7	871.7	872.6	7.5°
10°	878.5	875.2	873.4	872.6	872.6	875.2	877.7	878.5	877.7	878.5	878.5	10°
12.5°	870.1	871.7	872.6	876.0	880.2	885.3	891.3	892.1	893.8	893.8	895.5	12.5°
15°	842.8	847.1	852.2	860.7	871.7	882.8	893.8	903.2	911.6	915.9	919.3	15°
17.5°	804.6	808.8	818.2	827.5	842.0	858.1	876.8	892.9	910.8	927.0	943.1	17.5°
20°	752.7	759.5	762.1	779.1	796.1	818.2	840.3	865.8	896.4	927.0	958.4	20°
22.5°	685.7	693.3	705.2	718.8	736.7	763.8	790.1	830.1	870.9	914.2	963.4	22.5°
25°	610.9	619.4	629.6	644.0	661.9	690.8	729.0	771.4	821.6	878.5	939.7	25°
27.5°	533.6	542.0	550.6	560.7	581.1	611.7	656.7	700.9	756.2	818.2	889.6	27.5°
30°	456.3	457.1	462.2	475.0	496.2	536.1	569.2	624.5	682.2	747.6	830.1	30°
32.5°	371.3	370.4	376.4	387.4	407.8	446.0	486.8	540.4	597.3	679.7	764.7	32.5°
35°	295.6	295.6	306.7	317.8	340.7	367.9	403.5	451.2	518.2	594.7	679.7	35°
37.5°	255.7	261.7	268.5	279.5	297.4	318.6	350.0	391.7	444.4	517.4	595.6	37.5°
40°	243.0	246.4	252.4	262.5	277.9	297.4	320.3	351.7	392.6	451.2	522.5	40°
42.5°	237.9	238.8	242.1	249.8	263.4	282.9	306.7	334.8	365.3	407.0	469.0	42.5°
45°	232.8	231.9	233.7	239.6	250.6	272.7	299.9	330.5	361.1	395.9	446.9	45°
47.5°	228.6	228.6	228.6	231.1	241.3	263.4	294.8	330.5	367.1	406.1	456.3	47.5°
50°	216.7	215.8	215.8	217.5	225.1	248.9	286.3	329.7	377.2	428.2	485.1	50°
52.5°	203.1	203.1	203.9	204.7	211.5	235.4	277.0	329.7	389.1	457.1	528.5	52.5°
55°	198.8	199.6	200.6	199.6	204.7	225.1	266.8	324.6	394.2	480.0	575.2	55°
57.5°	195.4	197.1	197.1	196.3	199.6	216.7	256.6	314.3	390.0	488.6	608.4	57.5°
60°	190.3	190.3	190.3	187.8	189.5	204.7	241.3	298.2	376.4	480.9	613.4	60°
62.5°	179.3	179.3	177.6	176.7	175.9	187.8	220.9	274.4	351.7	460.5	600.7	62.5°
63°	176.7	175.9	175.9	173.3	173.3	184.4	216.7	271.1	344.9	455.4	595.6	63°
65°	167.3	167.3	167.3	165.7	164.8	173.3	199.6	247.3	318.6	431.6	570.1	65°
67.5°	157.2	158.0	156.4	155.4	154.6	159.7	180.1	217.5	277.9	381.5	522.5	67.5°
70°	142.7	143.6	143.6	142.7	141.9	145.3	158.0	186.9	230.2	317.8	445.2	70°
72.5°	130.0	131.7	131.7	133.4	133.4	135.9	141.0	155.4	184.4	248.1	350.0	72.5°
75°	116.4	117.2	119.0	120.7	119.0	118.1	119.0	130.0	144.5	183.5	249.8	75°
77.5°	104.5	107.1	107.1	106.2	103.6	102.0	102.0	107.1	119.0	139.3	178.4	77.5°
80°	86.7	90.9	91.7	89.2	86.7	86.7	88.4	91.7	99.4	114.7	135.1	80°
82.5°	69.7	74.0	74.8	75.6	74.8	77.3	77.3	78.1	82.4	94.3	110.4	82.5°
85°	53.5	56.9	59.4	60.3	61.2	62.0	61.2	56.9	59.4	67.2	74.8	85°
87.5°	23.8	24.7	23.0	23.8	23.0	23.8	24.7	20.4	19.5	26.3	27.2	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: P180977

NUMBER: ICM-E03-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
891.3	891.3	891.3	891.3	891.3	891.3	891.3
882.0	882.0	882.8	881.0	881.0	882.0	879.4
868.3	871.7	871.7	871.7	870.1	871.7	872.6
871.7	874.2	876.0	876.0	875.2	878.5	881.0
876.0	880.2	882.0	882.0	882.0	886.1	892.1
892.1	895.5	898.1	898.1	899.7	904.8	911.6
921.9	926.1	926.1	925.2	930.3	936.3	943.9
955.0	966.9	972.8	972.0	976.2	983.9	992.4
986.4	1019.5	1034.0	1044.2	1048.5	1058.6	1061.2
1012.8	1068.0	1107.9	1141.9	1158.1	1168.3	1180.1
1003.4	1078.1	1149.6	1219.3	1268.5	1318.6	1339.9
965.2	1058.6	1152.1	1254.1	1343.3	1432.5	1497.0
918.4	1030.6	1156.4	1300.8	1441.9	1578.6	1687.4
864.9	1004.3	1165.7	1344.1	1529.3	1708.6	1865.8
797.8	954.1	1142.8	1348.4	1566.7	1784.2	1988.1
712.8	886.1	1089.2	1317.8	1568.4	1817.4	2061.2
627.9	800.4	1021.2	1273.6	1546.3	1825.0	2107.1
568.4	723.9	952.5	1217.5	1510.6	1813.1	2129.2
527.6	668.7	891.3	1166.5	1472.4	1791.9	2132.6
524.2	644.8	851.4	1129.1	1441.9	1773.2	2132.6
553.1	657.6	837.8	1110.4	1429.1	1767.3	2134.2
607.4	708.6	862.4	1124.9	1439.3	1774.9	2142.0
672.9	785.9	928.7	1175.1	1482.6	1800.4	2158.9
732.4	875.2	1041.7	1271.9	1561.6	1864.9	2206.5
767.3	951.6	1161.4	1407.8	1696.8	1993.2	2301.7
771.4	994.1	1267.6	1555.6	1860.7	2140.2	2453.8
768.1	997.5	1281.2	1583.7	1895.5	2176.8	2506.4
749.4	998.3	1319.4	1682.2	2016.2	2330.5	2653.4
701.8	971.2	1333.0	1759.5	2168.3	2532.8	2927.8
619.4	893.8	1293.1	1761.3	2226.9	2645.8	3101.1
497.9	746.8	1120.7	1602.4	2072.3	2534.4	3056.1
364.5	548.8	847.1	1241.3	1690.8	2109.6	2617.7
242.1	355.2	571.0	884.5	1212.5	1518.3	1884.5
166.5	220.1	333.9	531.9	741.8	890.4	1200.6
122.3	145.3	185.2	271.9	356.8	439.3	627.1
76.5	83.3	92.7	134.2	192.0	259.2	390.8
20.4	21.2	19.5	26.3	41.7	39.9	44.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)