

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: P180991

Luminaire Tested: **ICM-F04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180991
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7213.6 lumens
Efficiency: N/A
Efficacy: 70.6 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

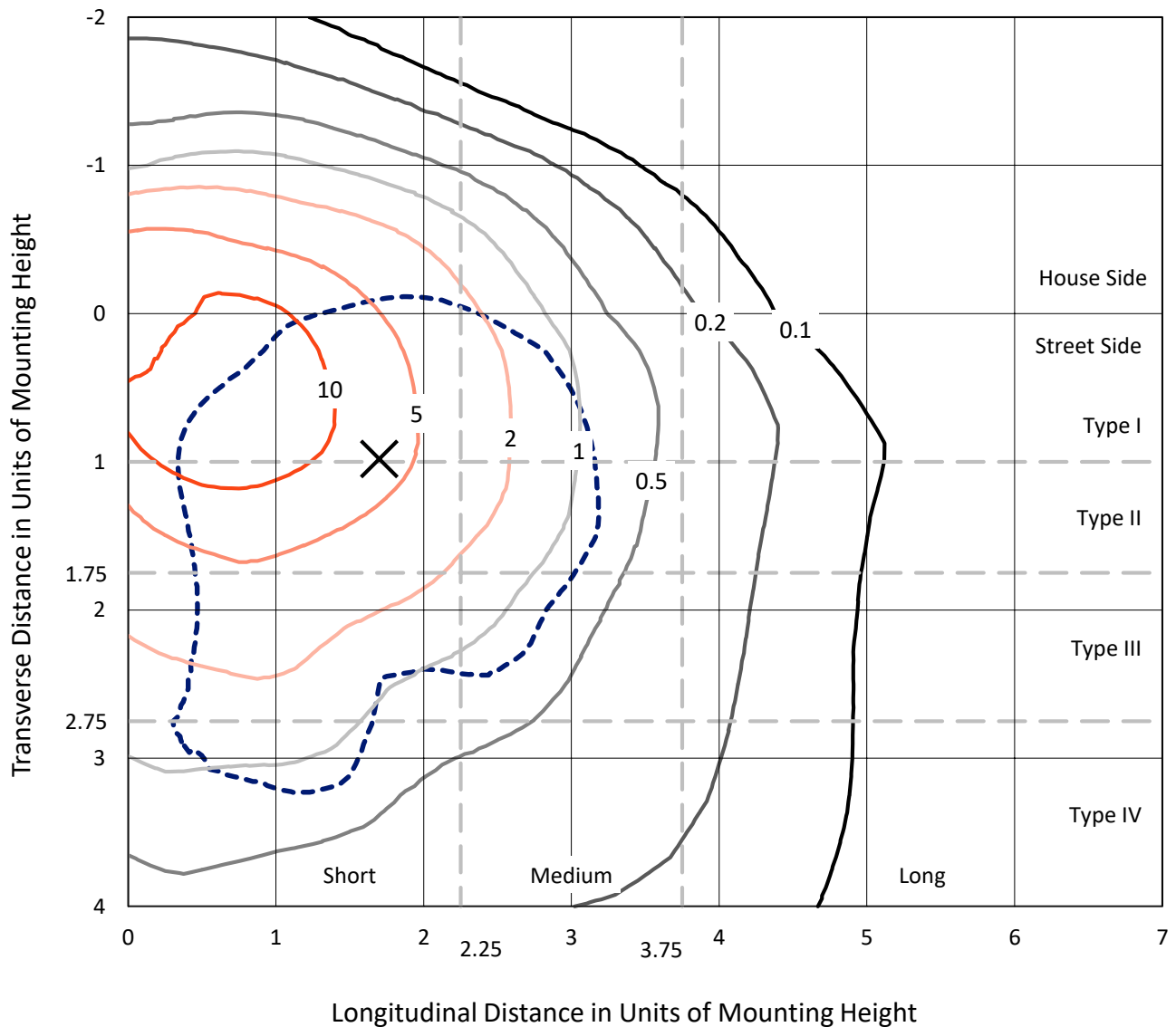
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180991
 CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

Iso-Footcandle Lines of Horizontal Illumination

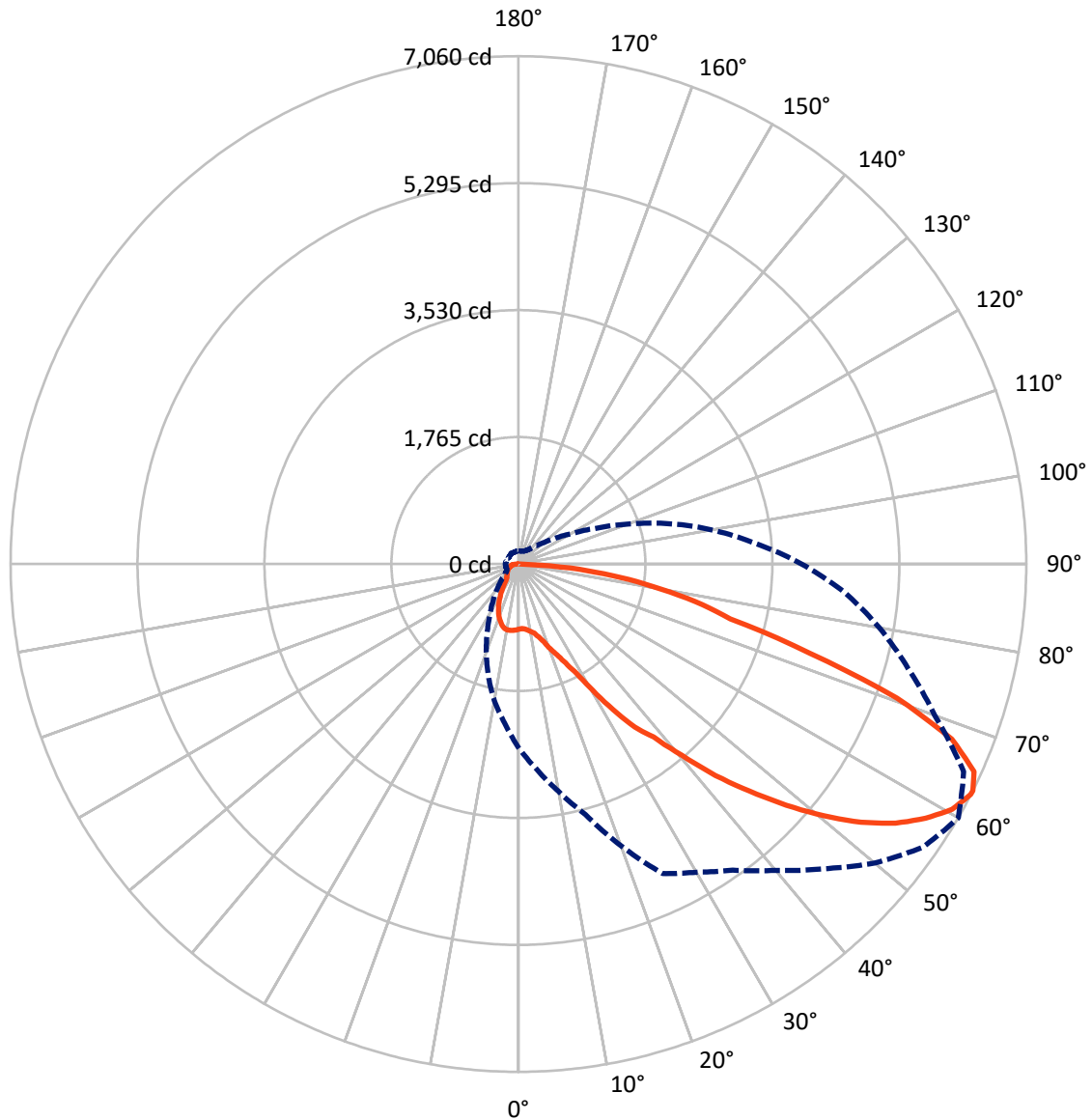
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P180991
CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180991

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.2	0.0	1564.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5649.3	0.0	5649.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	7213.6	0.0	7213.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.2
10°-20°	274.8	3.8
20°-30°	488.3	6.8
30°-40°	768.9	10.7
40°-50°	1131.5	15.7
50°-60°	1503.0	20.8
60°-70°	1655.6	23.0
70°-80°	1038.7	14.4
80°-90°	264.6	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°	7213.6	100.0
0°-180°	7213.6	100.0



REPORT NUMBER: P180991

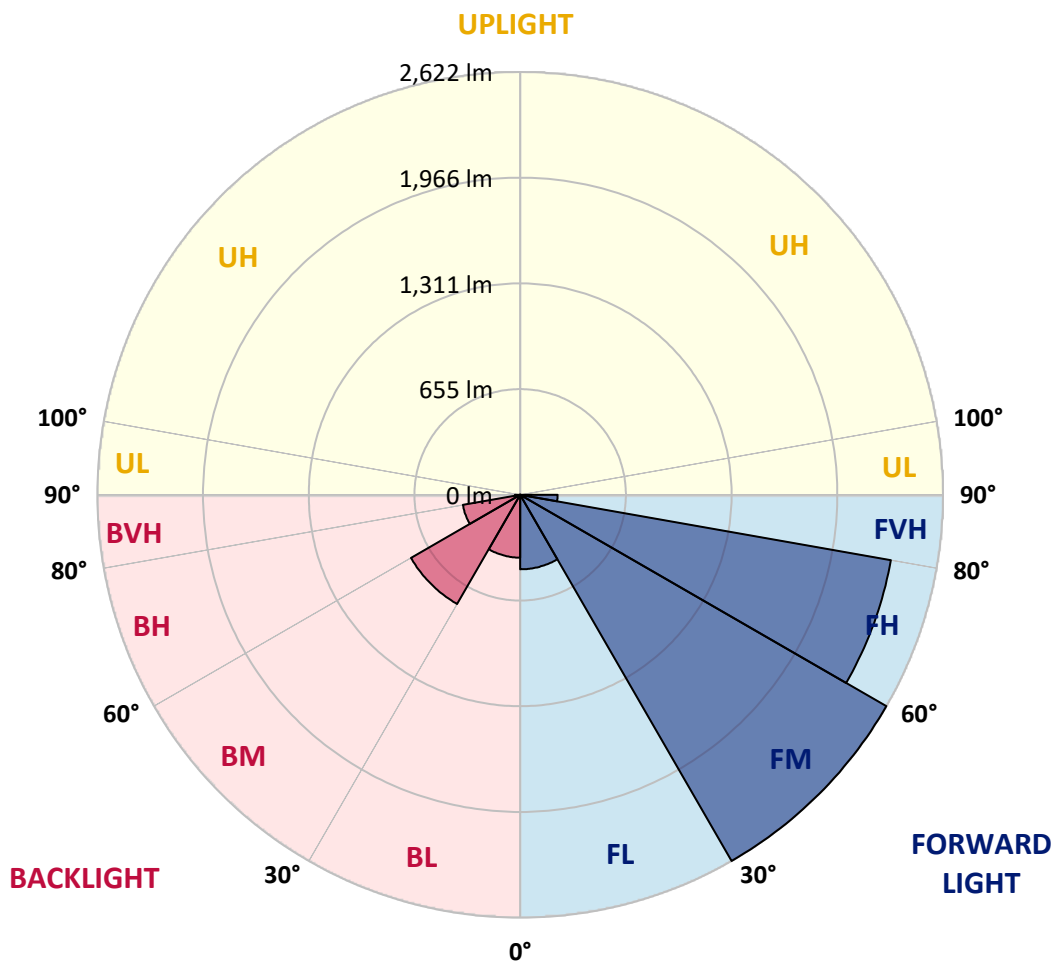
CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.9	6.4			
FM	(30°-60°)	2621.6	36.3			
FH	(60°-80°)	2333.7	32.4			G2/5000
FVH	(80°-90°)	232.2	3.2			G3/500
BL	(0°-30°)	389.4	5.4	B1/500		
BM	(30°-60°)	781.8	10.8	B1/1000		
BH	(60°-80°)	360.6	5.0	B1/500		G1/500
BVH	(80°-90°)	32.4	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





REPORT NUMBER: P180991

CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	894.4	896.2	896.2	895.3	895.3	897.0	896.2	895.3	892.7	896.2	896.2
5°	887.5	889.2	889.2	891.0	892.7	894.4	894.4	896.2	895.3	898.7	901.3
7.5°	896.2	897.9	901.3	905.7	908.3	914.3	914.3	918.6	920.4	923.0	922.1
10°	907.4	911.7	919.4	926.4	931.5	938.5	943.6	949.7	949.7	952.3	954.1
12.5°	927.3	931.5	940.2	948.8	956.7	965.3	973.0	979.1	985.1	986.9	990.3
15°	960.1	965.3	978.2	990.3	999.8	1011.1	1021.5	1033.6	1044.8	1047.4	1049.1
17.5°	1009.3	1019.7	1029.2	1050.8	1064.7	1079.4	1095.7	1113.0	1116.5	1134.7	1139.0
20°	1079.4	1092.3	1100.9	1127.7	1151.1	1170.1	1194.3	1214.1	1222.0	1239.3	1256.5
22.5°	1200.4	1197.8	1210.7	1237.5	1254.8	1292.8	1313.6	1334.2	1344.7	1370.6	1384.4
25°	1362.8	1376.7	1405.1	1407.7	1424.2	1468.2	1495.0	1515.7	1516.7	1524.4	1539.1
27.5°	1522.7	1579.7	1624.7	1648.8	1692.9	1733.5	1731.8	1761.2	1715.4	1724.8	1738.7
30°	1716.3	1811.3	1896.0	1953.0	1998.0	2045.5	2068.8	2085.2	2065.4	2056.8	2040.3
32.5°	1897.7	2030.8	2161.3	2262.4	2346.2	2424.9	2476.8	2500.0	2527.7	2597.7	2622.8
35°	2022.2	2210.5	2373.0	2519.1	2659.1	2784.4	2875.1	2927.0	2907.1	2897.6	2892.4
37.5°	2096.5	2326.3	2529.4	2736.0	2896.7	3084.2	3225.1	3361.6	3392.8	3338.3	3311.6
40°	2143.2	2415.4	2676.4	2920.0	3128.3	3370.3	3544.9	3749.6	3905.2	3926.0	3862.0
42.5°	2165.6	2475.0	2779.2	3054.8	3336.6	3633.0	3854.3	4102.3	4334.7	4494.5	4454.8
45°	2169.0	2513.9	2854.3	3176.7	3512.0	3863.7	4148.9	4423.7	4734.8	5008.8	5016.5
47.5°	2169.0	2543.3	2906.3	3264.9	3669.3	4064.2	4375.3	4700.2	5081.3	5405.4	5504.8
50°	2170.8	2563.2	2954.6	3334.0	3789.4	4233.6	4585.3	4969.0	5370.0	5722.5	5914.4
52.5°	2178.6	2577.8	2992.7	3383.3	3867.2	4352.9	4748.6	5191.1	5590.4	5952.4	6200.4
55°	2195.8	2598.5	3020.3	3413.5	3919.0	4430.6	4867.0	5343.2	5733.0	6100.2	6446.7
57.5°	2244.3	2634.9	3054.0	3440.3	3947.6	4481.6	4950.0	5408.9	5787.4	6170.2	6577.2
60°	2341.0	2711.7	3111.9	3493.9	3995.1	4575.8	4989.7	5364.8	5747.7	6149.4	6606.6
62.5°	2495.7	2831.9	3192.3	3584.6	4130.7	4721.9	4959.5	5233.4	5591.2	6029.3	6502.1
63°	2549.3	2857.8	3210.4	3604.5	4167.9	4748.6	4946.5	5194.5	5559.2	5991.3	6464.9
65°	2698.8	2972.8	3296.9	3704.7	4320.9	4775.4	4845.4	4992.3	5338.0	5774.4	6245.3
67.5°	2978.0	3251.9	3482.6	3874.1	4449.6	4670.0	4531.7	4549.9	4911.1	5363.1	5786.5
70°	3154.3	3480.9	3601.0	3895.7	4426.3	4513.6	4125.6	3885.3	4174.8	4689.9	5060.6
72.5°	3108.4	3483.5	3470.5	3607.9	3959.7	4040.9	3639.0	3260.5	3432.5	3817.0	4057.3
75°	2662.5	3111.0	3015.9	2988.3	3111.9	3165.5	2863.8	2806.0	3022.9	3236.3	3239.7
77.5°	1916.8	2410.2	2298.7	2138.8	2130.2	2253.8	2294.3	2673.8	2994.3	3162.9	3088.6
80°	1221.0	1756.0	1640.2	1361.0	1356.8	1517.5	1874.4	2390.3	2730.0	2824.1	2630.5
82.5°	637.8	1149.3	1193.4	1021.5	1169.2	1435.4	1783.6	1926.2	2055.0	2068.0	1839.8
85°	397.5	706.9	831.4	858.1	1056.0	1272.9	1270.3	1220.2	1163.2	995.5	900.5
87.5°	44.9	89.0	134.8	127.9	172.0	241.1	300.7	176.3	123.5	44.9	62.2
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: P180991

CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	897.9	898.7	899.6	899.6	903.9	903.1	903.9	905.7	908.3	910.0	911.7
5°	904.7	904.7	908.3	910.8	916.0	919.4	921.2	926.4	932.5	930.7	935.9
7.5°	927.3	926.4	929.9	931.5	935.9	942.0	941.1	945.4	950.6	952.3	956.7
10°	957.5	954.9	954.9	953.2	954.1	952.3	952.3	952.3	955.8	954.9	958.3
12.5°	988.7	987.7	986.1	980.8	980.8	974.0	970.4	966.1	965.3	959.3	960.1
15°	1052.6	1052.6	1049.1	1038.7	1030.1	1024.0	1015.4	1009.3	1000.8	989.5	983.4
17.5°	1145.9	1133.8	1129.5	1127.7	1114.0	1108.8	1089.7	1069.9	1060.4	1044.8	1036.1
20°	1260.0	1257.4	1240.1	1231.4	1214.1	1190.0	1165.8	1139.8	1124.3	1105.3	1094.9
22.5°	1388.8	1369.7	1361.0	1348.1	1321.3	1293.7	1257.4	1222.8	1198.6	1185.7	1177.9
25°	1539.1	1520.1	1511.5	1494.1	1461.3	1431.9	1387.0	1346.4	1324.8	1303.2	1291.1
27.5°	1738.7	1720.6	1710.2	1665.2	1654.1	1605.6	1550.3	1495.0	1466.5	1434.5	1413.8
30°	2036.8	2037.7	1984.1	1929.7	1873.5	1789.7	1731.8	1669.6	1622.9	1577.1	1531.4
32.5°	2540.7	2411.9	2312.6	2195.8	2074.1	1985.0	1913.3	1839.0	1774.2	1707.6	1631.5
35°	2848.3	2786.1	2657.3	2443.9	2321.1	2213.1	2133.7	2043.7	1964.3	1846.7	1730.9
37.5°	3195.7	3051.4	2895.0	2776.6	2637.4	2512.1	2379.1	2277.1	2139.7	1981.6	1817.3
40°	3703.0	3496.5	3308.0	3149.0	2969.3	2838.0	2689.3	2541.5	2359.2	2130.2	1904.7
42.5°	4232.7	4019.3	3770.3	3563.8	3352.1	3198.3	3014.3	2806.8	2538.9	2255.5	1979.8
45°	4788.4	4503.2	4205.0	3952.8	3732.4	3541.4	3313.2	3038.4	2711.7	2367.8	2049.8
47.5°	5336.3	5008.8	4653.6	4382.3	4095.3	3862.0	3582.0	3234.6	2846.6	2474.2	2119.8
50°	5819.4	5503.9	5076.1	4731.4	4441.0	4153.2	3804.1	3385.8	2952.9	2565.7	2182.9
52.5°	6235.9	5964.5	5514.3	5078.7	4744.3	4421.1	3983.0	3507.6	3060.0	2650.4	2234.7
55°	6541.8	6361.2	5946.4	5406.3	5011.4	4625.9	4134.2	3625.2	3161.1	2717.8	2268.5
57.5°	6772.5	6672.3	6316.2	5714.7	5256.8	4824.7	4290.6	3766.1	3261.4	2775.7	2284.0
60°	6898.7	6926.4	6596.2	5984.4	5473.7	4990.6	4447.0	3886.2	3335.7	2809.4	2275.4
62.5°	6886.6	7056.0	6806.3	6150.4	5599.8	5089.1	4552.5	3942.3	3325.3	2755.8	2196.8
63°	6863.3	7060.3	6829.5	6161.5	5607.7	5092.6	4555.1	3934.5	3303.7	2730.0	2165.6
65°	6661.9	6960.9	6809.7	6110.5	5538.5	5027.8	4500.6	3822.3	3151.6	2590.8	2005.8
67.5°	6122.6	6496.9	6453.6	5750.2	5211.0	4759.8	4222.4	3460.1	2775.7	2248.6	1699.8
70°	5231.7	5583.4	5591.2	5001.0	4550.7	4108.3	3661.5	2815.5	2200.2	1743.1	1267.7
72.5°	4009.8	4236.2	4314.8	3926.0	3624.3	3313.2	2912.3	2043.7	1568.5	1185.7	825.3
75°	3104.9	3042.7	3041.9	2877.7	2755.0	2602.9	2162.2	1379.3	1030.1	770.9	504.7
77.5°	2791.3	2514.7	2246.8	2049.8	1951.3	1900.3	1418.1	831.4	607.5	443.4	290.3
80°	2302.2	1894.2	1530.4	1317.9	1233.2	1291.9	790.7	449.4	332.7	252.4	188.4
82.5°	1587.5	1317.9	1001.6	829.6	712.1	744.9	404.5	229.9	153.9	140.8	116.7
85°	827.0	725.0	611.8	525.4	464.1	407.9	210.0	109.8	63.9	56.2	51.0
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: P180991

CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	914.3	913.4	915.2	916.0	918.6	920.4	921.2	919.4	922.1	924.7	923.0
5°	938.5	944.6	945.4	948.0	948.0	953.2	953.2	953.2	952.3	953.2	951.4
7.5°	959.3	967.0	967.9	971.4	972.2	978.2	975.6	977.4	977.4	973.0	971.4
10°	961.9	969.6	974.0	978.2	984.3	992.1	992.1	996.4	996.4	992.9	992.1
12.5°	962.7	968.8	973.0	979.1	987.7	999.0	1005.0	1011.1	1013.7	1012.8	1010.2
15°	980.8	980.8	981.7	986.9	992.9	1006.8	1015.4	1022.3	1026.6	1024.9	1020.6
17.5°	1028.4	1021.5	1016.3	1007.6	1009.3	1016.3	1021.5	1027.5	1028.4	1026.6	1019.7
20°	1083.6	1075.1	1062.1	1048.3	1041.3	1036.1	1032.7	1032.7	1030.1	1021.5	1010.2
22.5°	1162.3	1151.1	1132.9	1112.2	1098.3	1082.0	1062.1	1043.1	1022.3	1001.6	977.4
25°	1271.2	1255.6	1236.7	1204.7	1175.3	1140.8	1100.1	1057.8	1008.5	965.3	929.9
27.5°	1380.9	1346.4	1297.1	1253.0	1198.6	1146.8	1088.8	1037.0	974.0	922.1	883.2
30°	1471.7	1406.1	1335.2	1265.1	1193.4	1123.4	1054.3	992.1	923.0	870.2	832.2
32.5°	1541.7	1451.0	1352.5	1260.8	1172.7	1087.2	1007.6	938.5	868.5	814.1	773.4
35°	1606.5	1480.3	1355.0	1241.8	1132.9	1043.9	954.1	878.9	804.6	747.5	703.4
37.5°	1654.9	1494.1	1339.5	1206.4	1081.1	981.7	890.1	813.2	737.1	674.9	624.8
40°	1686.0	1485.5	1305.8	1155.4	1019.7	915.2	821.9	742.3	668.8	600.6	540.1
42.5°	1711.1	1474.2	1272.1	1108.8	971.4	857.2	761.3	675.8	601.5	527.2	460.6
45°	1748.2	1482.9	1257.4	1075.9	928.1	808.0	702.6	613.6	535.8	463.2	399.3
47.5°	1784.5	1487.3	1235.7	1035.3	873.7	757.0	649.9	563.4	483.9	417.4	358.6
50°	1817.3	1484.7	1202.1	983.4	820.9	706.1	602.3	515.9	437.3	375.9	320.7
52.5°	1832.9	1470.0	1160.6	933.3	778.6	661.1	555.6	471.8	394.0	336.2	285.2
55°	1831.2	1431.9	1106.1	885.8	731.9	613.6	509.9	426.9	356.9	303.4	259.3
57.5°	1805.2	1373.2	1048.3	833.0	670.6	554.8	456.3	375.9	317.1	272.2	235.1
60°	1750.8	1298.0	972.2	756.2	593.7	482.2	389.8	320.7	273.1	238.5	214.3
62.5°	1648.8	1190.0	877.1	649.0	490.0	388.0	307.6	262.7	227.3	206.5	195.3
63°	1618.6	1160.6	836.6	623.1	465.8	366.4	290.3	243.7	217.8	199.6	189.2
65°	1468.2	1016.3	700.0	503.0	362.0	282.6	233.3	197.9	182.3	174.6	173.7
67.5°	1189.1	799.4	495.2	344.8	246.3	203.9	178.9	164.2	157.3	155.5	157.3
70°	834.8	504.7	314.5	229.0	182.3	164.2	152.9	146.9	142.6	143.4	145.2
72.5°	532.4	302.4	216.0	173.7	153.9	144.3	139.2	137.4	136.6	135.6	135.6
75°	303.4	201.4	166.0	150.3	140.0	132.2	127.9	126.1	127.1	127.9	126.1
77.5°	200.5	166.0	147.8	137.4	127.9	119.3	116.7	115.8	117.5	119.3	119.3
80°	158.1	147.8	137.4	127.1	111.4	105.4	107.2	108.0	107.2	108.0	105.4
82.5°	111.4	109.8	112.4	108.0	92.5	87.3	85.6	86.4	84.7	84.7	83.0
85°	51.8	51.8	54.4	54.4	52.7	53.6	57.9	63.1	65.7	63.1	59.6
87.5°	0.0	0.0	0.0	0.0	0.0	7.8	15.5	22.5	24.2	30.2	29.4
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: P180991

CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	920.4	922.1	921.2	920.4	922.1	920.4	921.2	920.4	920.4	919.4	919.4
5°	949.7	952.3	947.2	946.2	944.6	940.2	940.2	938.5	938.5	935.1	932.5
7.5°	968.8	969.6	965.3	964.4	960.1	955.8	952.3	948.8	948.0	945.4	940.2
10°	986.9	985.1	981.7	977.4	973.0	967.0	962.7	958.3	957.5	953.2	947.2
12.5°	1002.4	1001.6	994.7	990.3	983.4	977.4	972.2	967.0	964.4	959.3	950.6
15°	1012.8	1007.6	999.0	991.2	983.4	976.5	970.4	964.4	961.9	955.8	947.2
17.5°	1008.5	999.0	987.7	978.2	967.9	959.3	954.1	948.0	943.6	940.2	928.1
20°	992.9	979.1	961.9	950.6	936.7	925.5	922.1	916.0	912.6	899.6	884.0
22.5°	952.3	932.5	910.8	894.4	878.9	867.6	859.0	852.9	844.3	836.6	812.3
25°	901.3	878.9	856.4	836.6	815.8	798.5	783.0	768.3	763.9	747.5	724.2
27.5°	852.1	827.0	804.6	781.2	754.4	732.8	706.1	685.3	671.4	654.1	632.6
30°	799.4	774.3	744.1	712.9	681.9	658.5	628.3	603.2	585.9	567.7	547.9
32.5°	732.8	702.6	666.2	631.7	603.2	575.5	545.3	521.1	503.8	487.4	468.4
35°	656.7	617.0	578.1	540.1	509.9	486.5	459.7	441.6	429.5	414.8	394.9
37.5°	569.5	524.6	483.1	453.7	426.9	404.5	385.4	374.1	361.2	353.5	341.3
40°	481.3	437.3	396.7	369.9	347.4	334.4	324.1	321.5	312.8	302.4	294.7
42.5°	403.5	361.2	321.5	299.9	285.2	281.7	276.6	276.6	272.2	264.5	259.3
45°	350.9	306.8	272.2	256.7	248.8	248.0	245.4	245.4	244.6	241.1	235.1
47.5°	312.8	273.1	246.3	236.7	235.1	233.3	230.7	229.9	229.0	226.4	223.0
50°	278.2	244.6	227.3	223.0	223.8	221.2	218.6	216.0	215.2	212.6	209.1
52.5°	246.3	222.0	210.9	208.3	208.3	208.3	206.5	206.5	204.8	203.9	200.5
55°	228.2	210.0	203.9	203.1	202.2	201.4	199.6	199.6	197.9	197.0	192.7
57.5°	212.6	201.4	197.9	196.2	195.3	193.6	192.7	192.7	192.7	192.7	187.5
60°	200.5	195.3	194.4	192.7	191.8	188.4	186.7	185.8	186.7	187.5	182.3
62.5°	187.5	186.7	185.8	184.1	183.2	179.7	177.1	175.4	177.1	178.9	178.0
63°	184.1	183.2	183.2	182.3	181.5	177.1	174.6	172.8	174.6	176.3	176.3
65°	172.0	172.8	172.8	172.0	171.1	168.6	165.0	163.3	164.2	166.8	167.6
67.5°	159.0	159.9	159.0	159.9	159.0	157.3	154.7	152.9	152.1	152.9	153.9
70°	146.9	148.7	147.8	146.9	146.0	146.0	144.3	141.8	140.8	140.0	140.0
72.5°	136.6	136.6	134.8	134.8	134.0	134.0	132.2	129.6	128.7	128.7	127.1
75°	125.3	125.3	122.7	122.7	121.0	121.9	120.1	117.5	116.7	116.7	115.8
77.5°	118.4	115.8	111.4	110.6	109.8	109.8	108.9	106.3	105.4	105.4	104.6
80°	104.6	99.3	95.1	94.2	95.1	96.7	96.7	95.1	95.1	95.1	95.1
82.5°	81.2	79.5	76.9	75.2	75.2	77.8	81.2	83.0	84.7	86.4	86.4
85°	59.6	60.5	59.6	57.0	56.2	58.8	62.2	65.7	66.5	70.0	69.1
87.5°	32.0	32.8	30.2	29.4	32.0	33.7	37.1	38.0	39.7	40.7	41.5
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: P180991

CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5
2.5°	918.6	917.8	918.6	916.8	916.8	915.2	913.4	912.6	910.8	910.0	908.3
5°	934.1	931.5	929.0	928.1	924.7	921.2	918.6	914.3	910.8	904.7	903.1
7.5°	944.6	938.5	935.1	934.1	929.0	926.4	920.4	915.2	910.0	902.2	899.6
10°	948.8	942.8	936.7	934.1	928.1	923.8	917.8	910.0	905.7	897.9	896.2
12.5°	954.1	942.8	933.3	926.4	917.8	908.3	902.2	897.9	891.8	887.5	885.8
15°	944.6	929.9	915.2	902.2	888.4	878.0	871.9	865.0	858.1	855.5	855.5
17.5°	918.6	899.6	874.5	858.1	843.4	832.2	824.4	817.5	816.7	813.2	814.9
20°	865.0	840.0	815.8	803.7	795.1	788.1	780.4	776.9	774.3	769.1	767.4
22.5°	790.7	770.0	752.7	744.1	737.1	728.5	721.6	711.3	708.7	703.4	700.8
25°	708.7	692.2	677.5	671.4	667.2	655.1	650.7	636.9	627.4	621.3	624.8
27.5°	626.5	614.4	600.6	592.8	590.2	579.0	574.7	559.2	551.4	551.4	542.7
30°	541.9	530.6	522.0	513.3	511.6	497.8	486.5	480.5	471.8	468.4	462.3
32.5°	462.3	451.1	444.2	439.9	432.9	421.7	410.5	400.1	386.3	381.1	378.5
35°	388.8	380.3	371.6	368.1	358.6	346.5	332.7	324.1	307.6	301.6	299.0
37.5°	332.7	322.3	316.3	306.8	297.3	284.3	274.0	266.1	260.1	257.5	257.5
40°	287.8	280.0	273.1	265.3	257.5	250.6	245.4	243.7	242.8	242.8	244.6
42.5°	254.0	247.2	243.7	239.4	236.7	236.7	235.9	236.7	237.7	238.5	241.1
45°	231.6	227.3	225.6	224.7	226.4	228.2	229.0	230.7	234.2	235.9	236.7
47.5°	219.5	216.0	215.2	216.0	218.6	222.0	225.6	228.2	230.7	231.6	232.5
50°	207.4	203.1	201.4	203.1	206.5	211.7	214.3	218.6	220.4	222.0	220.4
52.5°	197.0	193.6	192.7	192.7	196.2	199.6	203.1	206.5	207.4	207.4	206.5
55°	188.4	185.8	183.2	184.9	187.5	191.0	196.2	198.8	200.5	201.4	201.4
57.5°	181.5	178.9	176.3	178.0	180.7	184.1	189.2	191.8	193.6	196.2	197.0
60°	176.3	172.8	170.2	172.8	175.4	180.7	184.9	187.5	191.8	192.7	192.7
62.5°	171.1	167.6	163.3	166.0	166.0	168.6	172.8	176.3	180.7	182.3	182.3
63°	170.2	166.8	162.4	164.2	164.2	166.0	169.4	172.8	178.0	179.7	178.9
65°	163.3	162.4	158.1	158.1	156.4	158.1	160.7	164.2	166.8	169.4	169.4
67.5°	152.1	151.3	150.3	150.3	150.3	152.1	153.9	156.4	159.0	160.7	159.9
70°	139.2	139.2	139.2	140.0	140.0	141.8	142.6	141.8	144.3	146.0	145.2
72.5°	127.9	127.1	126.1	127.9	127.1	127.1	128.7	127.9	130.5	130.5	131.3
75°	115.8	115.0	115.0	115.8	114.0	112.4	113.2	113.2	114.0	114.0	115.8
77.5°	105.4	105.4	105.4	104.6	102.8	102.0	101.1	101.1	101.1	101.1	102.0
80°	95.9	95.9	95.9	95.1	93.3	91.6	89.9	89.0	88.2	83.8	83.8
82.5°	86.4	86.4	86.4	86.4	85.6	83.8	81.2	74.3	70.9	67.4	68.3
85°	68.3	70.0	71.7	74.3	73.5	73.5	68.3	59.6	54.4	51.0	51.8
87.5°	44.1	38.9	38.9	38.0	36.3	34.6	34.6	29.4	24.2	21.6	22.5
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: P180991
 CATALOG NUMBER: ICM-F04-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	906.5	0°
2.5°	908.3	906.5	904.7	904.7	902.2	902.2	900.5	903.9	900.5	897.9	897.9	2.5°
5°	901.3	899.6	894.4	893.6	890.1	890.1	890.1	888.4	888.4	886.6	885.8	5°
7.5°	897.0	892.7	888.4	885.8	885.8	884.0	887.5	885.8	886.6	886.6	887.5	7.5°
10°	893.6	890.1	888.4	887.5	887.5	890.1	892.7	893.6	892.7	893.6	893.6	10°
12.5°	884.9	886.6	887.5	891.0	895.3	900.5	906.5	907.4	909.1	909.1	910.8	12.5°
15°	857.2	861.6	866.8	875.4	886.6	897.9	909.1	918.6	927.3	931.5	935.1	15°
17.5°	818.3	822.7	832.2	841.7	856.4	872.8	891.8	908.3	926.4	942.8	959.3	17.5°
20°	765.7	772.6	775.2	792.5	809.8	832.2	854.7	880.6	911.7	942.8	974.8	20°
22.5°	697.4	705.1	717.3	731.1	749.2	776.9	803.7	844.3	885.8	929.9	980.0	22.5°
25°	621.3	630.0	640.4	655.1	673.2	702.6	741.5	784.7	835.6	893.6	955.8	25°
27.5°	542.7	551.4	560.0	570.3	591.1	622.2	668.0	712.9	769.1	832.2	904.7	27.5°
30°	464.1	464.9	470.1	483.1	504.7	545.3	579.0	635.2	694.0	760.5	844.3	30°
32.5°	377.7	376.7	382.8	394.0	414.8	453.7	495.2	549.6	607.5	691.4	777.8	32.5°
35°	300.7	300.7	312.0	323.2	346.5	374.1	410.5	458.9	527.2	604.9	691.4	35°
37.5°	260.1	266.1	273.1	284.3	302.4	324.1	356.0	398.4	452.0	526.2	605.8	37.5°
40°	247.2	250.6	256.7	267.1	282.6	302.4	325.8	357.8	399.3	458.9	531.4	40°
42.5°	242.0	242.8	246.3	254.0	267.9	287.8	312.0	340.5	371.6	414.0	477.0	42.5°
45°	236.7	235.9	237.7	243.7	254.9	277.4	305.0	336.2	367.3	402.7	454.5	45°
47.5°	232.5	232.5	232.5	235.1	245.4	267.9	299.9	336.2	373.3	413.1	464.1	47.5°
50°	220.4	219.5	219.5	221.2	229.0	253.2	291.3	335.3	383.7	435.5	493.4	50°
52.5°	206.5	206.5	207.4	208.3	215.2	239.4	281.7	335.3	395.8	464.9	537.5	52.5°
55°	202.2	203.1	203.9	203.1	208.3	229.0	271.4	330.1	400.9	488.3	585.0	55°
57.5°	198.8	200.5	200.5	199.6	203.1	220.4	261.0	319.7	396.7	496.9	618.8	57.5°
60°	193.6	193.6	193.6	191.0	192.7	208.3	245.4	303.4	382.8	489.1	623.9	60°
62.5°	182.3	182.3	180.7	179.7	178.9	191.0	224.7	279.2	357.8	468.4	611.0	62.5°
63°	179.7	178.9	178.9	176.3	176.3	187.5	220.4	275.6	350.9	463.2	605.8	63°
65°	170.2	170.2	170.2	168.6	167.6	176.3	203.1	251.4	324.1	439.0	579.8	65°
67.5°	159.9	160.7	159.0	158.1	157.3	162.4	183.2	221.2	282.6	388.0	531.4	67.5°
70°	145.2	146.0	146.0	145.2	144.3	147.8	160.7	190.1	234.2	323.2	452.8	70°
72.5°	132.2	134.0	134.0	135.6	135.6	138.2	143.4	158.1	187.5	252.4	356.0	72.5°
75°	118.4	119.3	121.0	122.7	121.0	120.1	121.0	132.2	146.9	186.7	254.0	75°
77.5°	106.3	108.9	108.9	108.0	105.4	103.7	103.7	108.9	121.0	141.8	181.5	77.5°
80°	88.2	92.5	93.3	90.7	88.2	88.2	89.9	93.3	101.1	116.7	137.4	80°
82.5°	70.9	75.2	76.1	76.9	76.1	78.6	78.6	79.5	83.8	95.9	112.4	82.5°
85°	54.4	57.9	60.5	61.4	62.2	63.1	62.2	57.9	60.5	68.3	76.1	85°
87.5°	24.2	25.0	23.3	24.2	23.3	24.2	25.0	20.7	19.9	26.8	27.6	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: P180991

NUMBER: ICM-F04-LED-E1-SLL-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
906.5	906.5	906.5	906.5	906.5	906.5	906.5
897.0	897.0	897.9	896.2	896.2	897.0	894.4
883.2	886.6	886.6	886.6	884.9	886.6	887.5
886.6	889.2	891.0	891.0	890.1	893.6	896.2
891.0	895.3	897.0	897.0	897.0	901.3	907.4
907.4	910.8	913.4	913.4	915.2	920.4	927.3
937.6	942.0	942.0	941.1	946.2	952.3	960.1
971.4	983.4	989.5	988.7	992.9	1000.8	1009.3
1003.3	1037.0	1051.7	1062.1	1066.4	1076.8	1079.4
1030.1	1086.2	1126.9	1161.5	1177.9	1188.2	1200.4
1020.6	1096.7	1169.2	1240.1	1290.2	1341.2	1362.8
981.7	1076.8	1171.8	1275.5	1366.2	1457.0	1522.7
934.1	1048.3	1176.1	1323.1	1466.5	1605.6	1716.3
879.7	1021.5	1185.7	1367.1	1555.5	1737.9	1897.7
811.4	970.4	1162.3	1371.5	1593.5	1814.8	2022.2
725.0	901.3	1107.9	1340.3	1595.3	1848.5	2096.5
638.6	814.1	1038.7	1295.4	1572.8	1856.3	2143.2
578.1	736.3	968.8	1238.3	1536.5	1844.1	2165.6
536.7	680.1	906.5	1186.5	1497.6	1822.5	2169.0
533.2	655.9	865.9	1148.5	1466.5	1803.5	2169.0
562.6	668.8	852.1	1129.5	1453.5	1797.5	2170.8
617.9	720.7	877.1	1144.2	1463.9	1805.2	2178.6
684.5	799.4	944.6	1195.2	1508.0	1831.2	2195.8
744.9	890.1	1059.4	1293.7	1588.4	1896.8	2244.3
780.4	967.9	1181.3	1431.9	1725.8	2027.4	2341.0
784.7	1011.1	1289.3	1582.3	1892.6	2176.9	2495.7
781.2	1014.5	1303.2	1610.8	1928.0	2214.0	2549.3
762.2	1015.4	1342.1	1711.1	2050.7	2370.4	2698.8
713.8	987.7	1355.9	1789.7	2205.4	2576.1	2978.0
630.0	909.1	1315.3	1791.5	2265.0	2691.0	3154.3
506.4	759.6	1139.8	1629.9	2107.7	2577.8	3108.4
370.7	558.2	861.6	1262.5	1719.7	2145.8	2662.5
246.3	361.2	580.7	899.6	1233.2	1544.3	1916.8
169.4	223.8	339.6	540.9	754.4	905.7	1221.0
124.5	147.8	188.4	276.6	363.0	446.8	637.8
77.8	84.7	94.2	136.6	195.3	263.5	397.5
20.7	21.6	19.9	26.8	42.3	40.7	44.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)