

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: P180987

Luminaire Tested: **ICM-E04-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180987
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-E04-LED-E1-SLL-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9456.3 lumens
Efficiency: N/A
Efficacy: 97.3 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: B2 - U0 - G3

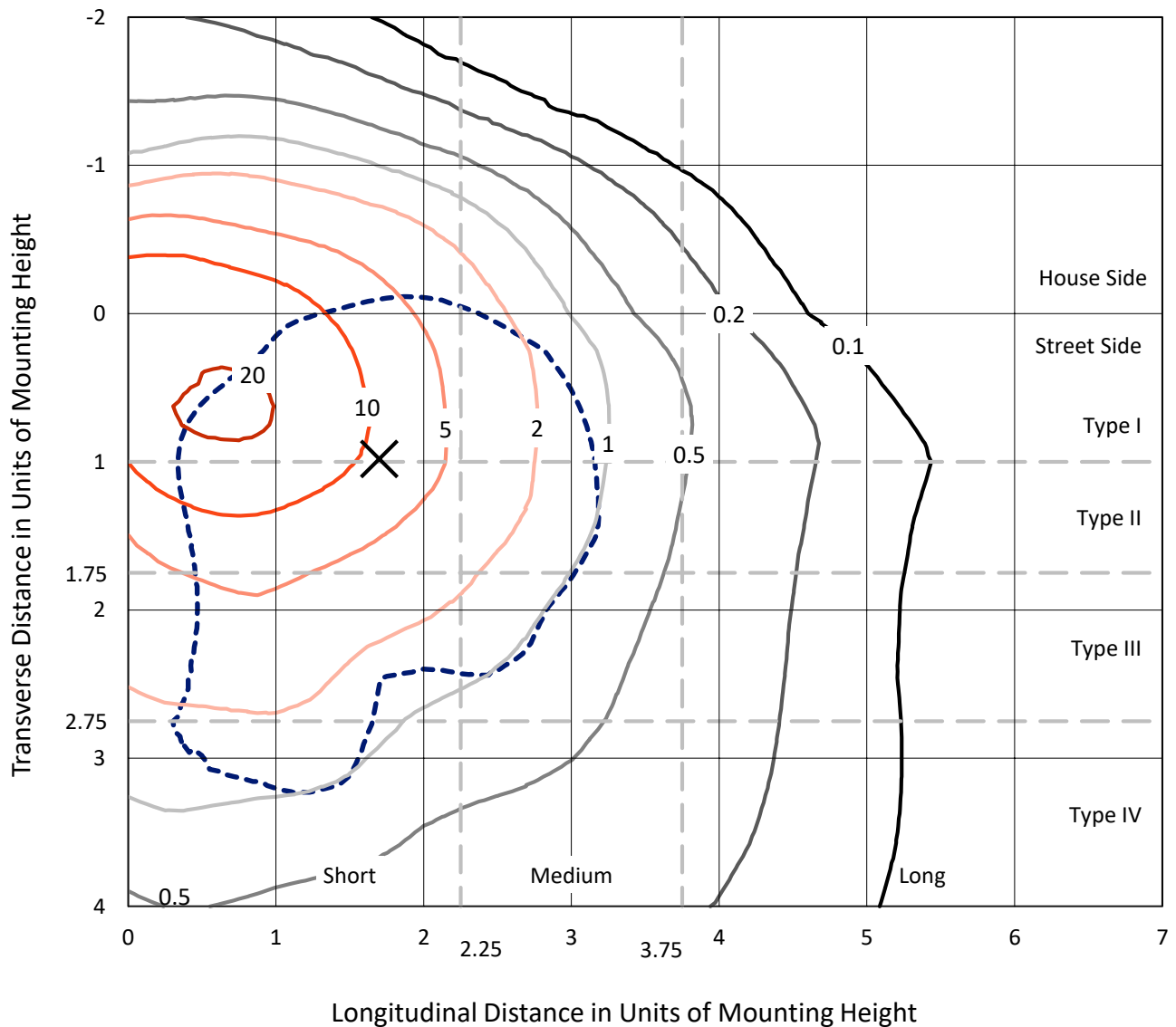
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

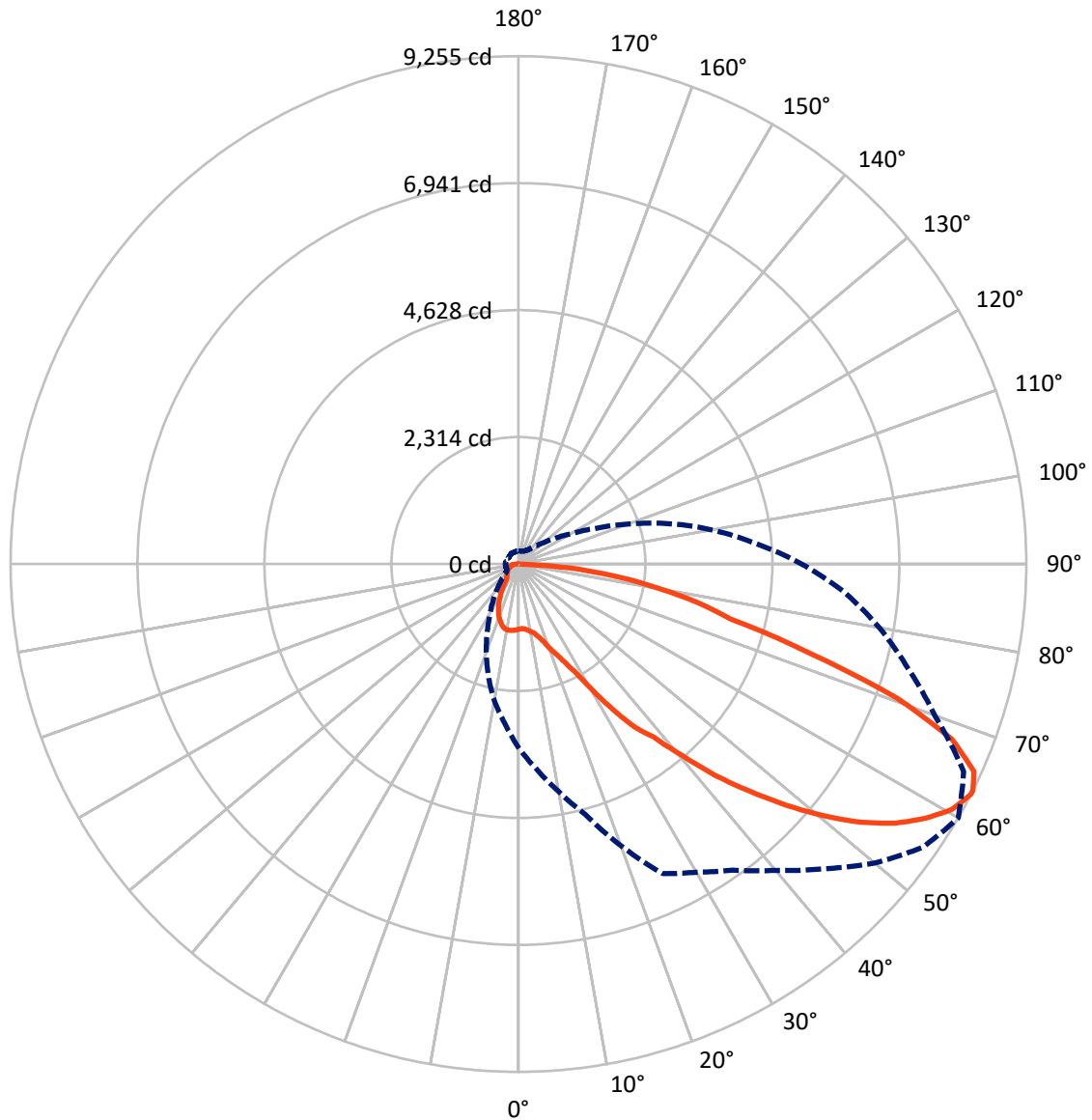
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 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	2050.6	0.0	2050.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7405.7	0.0	7405.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	9456.3	0.0	9456.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.2
10°-20°	360.3	3.8
20°-30°	640.1	6.8
30°-40°	1007.9	10.7
40°-50°	1483.3	15.7
50°-60°	1970.3	20.8
60°-70°	2170.3	23.0
70°-80°	1361.6	14.4
80°-90°	346.8	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°	9456.3	100.0
0°-180°	9456.3	100.0



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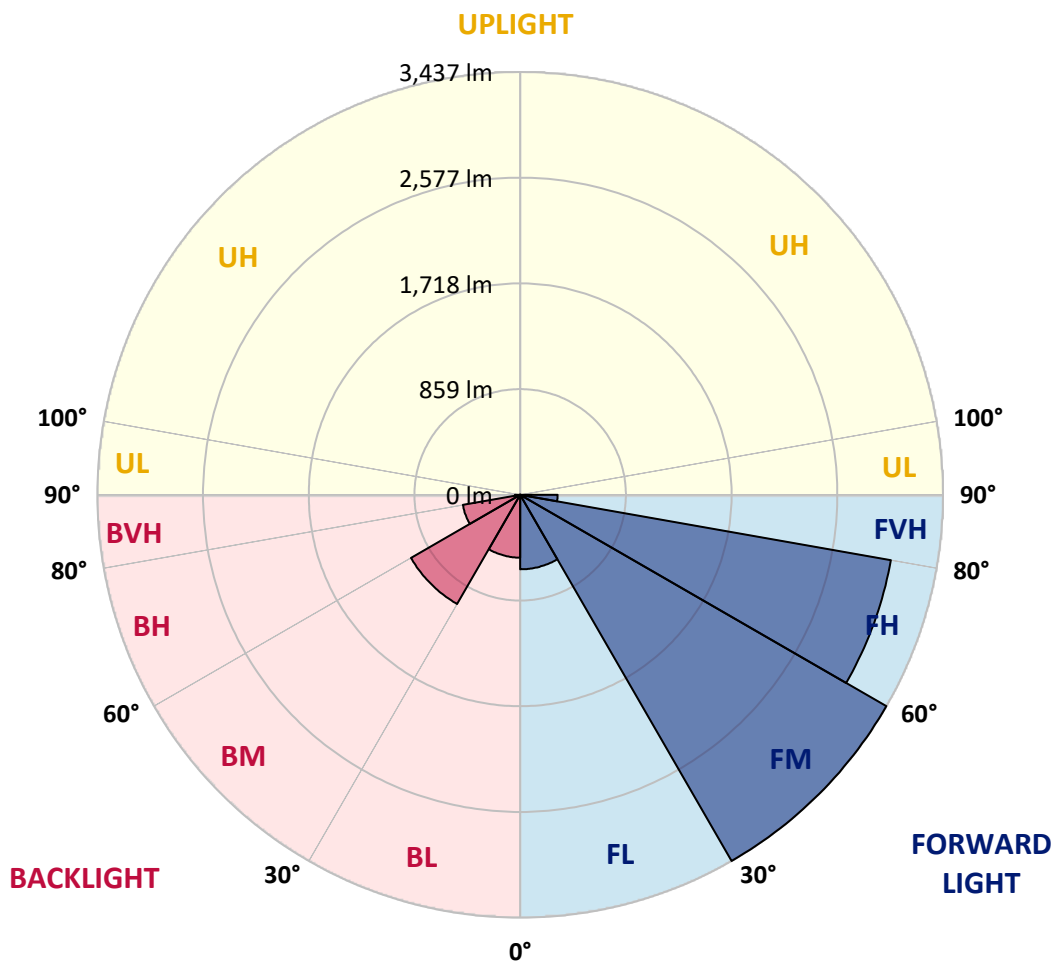
CATALOG NUMBER: ICM-E04-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.5	6.4			
FM (30°-60°)	3436.6	36.3			
FH (60°-80°)	3059.3	32.4			G2/5000
FVH (80°-90°)	304.3	3.2			G3/500
BL (0°-30°)	510.5	5.4	B2/1000		
BM (30°-60°)	1024.9	10.8	B2/2500		
BH (60°-80°)	472.7	5.0	B1/500		G1/500
BVH (80°-90°)	42.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
2.5°	1172.5	1174.8	1174.8	1173.6	1173.6	1175.9	1174.8	1173.6	1170.2	1174.8	1174.8
5°	1163.4	1165.7	1165.7	1168.0	1170.2	1172.5	1172.5	1174.8	1173.6	1178.1	1181.6
7.5°	1174.8	1177.0	1181.6	1187.3	1190.6	1198.5	1198.5	1204.2	1206.5	1209.9	1208.8
10°	1189.5	1195.2	1205.3	1214.4	1221.2	1230.2	1237.0	1245.0	1245.0	1248.4	1250.7
12.5°	1215.5	1221.2	1232.6	1243.8	1254.1	1265.4	1275.5	1283.5	1291.4	1293.7	1298.2
15°	1258.6	1265.4	1282.4	1298.2	1310.7	1325.4	1339.0	1354.9	1369.6	1373.0	1375.3
17.5°	1323.2	1336.8	1349.2	1377.5	1395.6	1414.9	1436.5	1459.1	1463.6	1487.5	1493.1
20°	1414.9	1431.9	1443.3	1478.3	1508.9	1533.9	1565.6	1591.6	1601.9	1624.5	1647.2
22.5°	1573.5	1570.1	1587.1	1622.2	1644.8	1694.7	1722.0	1749.1	1762.7	1796.7	1814.8
25°	1786.5	1804.7	1842.0	1845.4	1866.9	1924.7	1959.8	1987.0	1988.1	1998.3	2017.6
27.5°	1996.1	2070.8	2129.8	2161.5	2219.3	2272.5	2270.2	2308.8	2248.7	2261.1	2279.3
30°	2249.9	2374.4	2485.5	2560.2	2619.2	2681.4	2712.0	2733.6	2707.5	2696.2	2674.6
32.5°	2487.7	2662.2	2833.2	2965.8	3075.6	3178.7	3246.7	3277.3	3313.6	3405.3	3438.2
35°	2650.9	2897.8	3110.8	3302.3	3485.8	3650.1	3769.0	3837.0	3810.9	3798.4	3791.7
37.5°	2748.3	3049.6	3315.8	3586.6	3797.3	4043.1	4227.7	4406.7	4447.6	4376.2	4341.0
40°	2809.4	3166.3	3508.4	3827.8	4100.9	4418.1	4646.9	4915.4	5119.3	5146.5	5062.7
42.5°	2838.9	3244.5	3643.2	4004.6	4373.9	4762.4	5052.5	5377.6	5682.4	5891.9	5839.8
45°	2843.5	3295.5	3741.8	4164.3	4603.8	5065.0	5438.8	5799.0	6206.8	6566.0	6576.1
47.5°	2843.5	3334.0	3809.8	4279.9	4810.1	5327.8	5735.6	6161.5	6661.2	7085.9	7216.2
50°	2845.7	3360.0	3873.2	4370.5	4967.6	5549.8	6010.8	6513.9	7039.5	7501.7	7753.2
52.5°	2855.9	3379.3	3923.0	4435.1	5069.5	5706.2	6225.0	6805.0	7328.4	7803.0	8128.1
55°	2878.5	3406.4	3959.3	4474.7	5137.4	5808.1	6380.2	7004.4	7515.3	7996.8	8451.0
57.5°	2942.0	3454.1	4003.5	4509.9	5174.8	5874.9	6489.0	7090.5	7586.7	8088.5	8622.1
60°	3068.9	3554.9	4079.4	4580.1	5237.1	5998.5	6541.1	7032.7	7534.6	8061.4	8660.6
62.5°	3271.6	3712.3	4184.8	4699.0	5415.0	6189.9	6501.4	6860.5	7329.5	7903.9	8523.5
63°	3341.9	3746.3	4208.5	4725.1	5463.8	6225.0	6484.4	6809.5	7287.6	7854.0	8474.8
65°	3537.9	3897.0	4321.8	4856.5	5664.2	6260.1	6351.9	6544.4	6997.6	7569.6	8187.0
67.5°	3903.7	4262.9	4565.3	5078.5	5833.1	6121.9	5940.6	5964.4	6438.0	7030.5	7585.5
70°	4134.9	4563.1	4720.6	5106.8	5802.5	5916.9	5408.2	5093.2	5472.8	6147.9	6633.9
72.5°	4074.8	4566.5	4549.5	4729.6	5190.7	5297.1	4770.4	4274.3	4499.7	5003.8	5318.7
75°	3490.3	4078.3	3953.6	3917.4	4079.4	4149.6	3754.3	3678.3	3962.7	4242.5	4247.0
77.5°	2512.7	3159.5	3013.3	2803.8	2792.5	2954.4	3007.7	3505.0	3925.3	4146.2	4048.8
80°	1600.8	2302.0	2150.2	1784.2	1778.5	1989.3	2457.1	3133.4	3578.6	3702.2	3448.4
82.5°	836.0	1506.7	1564.5	1339.0	1532.8	1881.7	2338.2	2525.1	2693.9	2710.9	2411.8
85°	521.1	926.7	1089.8	1124.9	1384.4	1668.7	1665.3	1599.5	1524.8	1305.0	1180.4
87.5°	58.9	116.7	176.7	167.6	225.4	316.1	394.2	231.1	162.0	58.9	81.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: ICM-E04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
2.5°	1177.0	1178.1	1179.3	1179.3	1184.9	1183.8	1184.9	1187.3	1190.6	1192.8	1195.2
5°	1186.1	1186.1	1190.6	1194.1	1200.8	1205.3	1207.6	1214.4	1222.3	1220.1	1226.9
7.5°	1215.5	1214.4	1219.0	1221.2	1226.9	1234.8	1233.7	1239.4	1246.1	1248.4	1254.1
10°	1255.2	1251.8	1251.8	1249.5	1250.7	1248.4	1248.4	1248.4	1252.9	1251.8	1256.3
12.5°	1296.0	1294.8	1292.6	1285.8	1285.8	1276.8	1272.2	1266.5	1265.4	1257.5	1258.6
15°	1379.8	1379.8	1375.3	1361.7	1350.3	1342.4	1331.1	1323.2	1311.8	1297.1	1289.2
17.5°	1502.1	1486.3	1480.7	1478.3	1460.2	1453.4	1428.5	1402.4	1390.0	1369.6	1358.2
20°	1651.7	1648.3	1625.6	1614.3	1591.6	1559.9	1528.2	1494.2	1473.9	1448.9	1435.4
22.5°	1820.5	1795.5	1784.2	1767.3	1732.1	1695.8	1648.3	1603.0	1571.3	1554.2	1544.1
25°	2017.6	1992.7	1981.3	1958.7	1915.6	1877.1	1818.2	1764.9	1736.7	1708.3	1692.5
27.5°	2279.3	2255.5	2241.9	2183.0	2168.3	2104.9	2032.3	1959.8	1922.4	1880.5	1853.3
30°	2670.2	2671.3	2601.0	2529.6	2456.0	2346.2	2270.2	2188.7	2127.5	2067.5	2007.4
32.5°	3330.5	3161.8	3031.5	2878.5	2718.8	2602.2	2508.1	2410.7	2325.7	2238.5	2138.8
35°	3733.9	3652.3	3483.5	3203.6	3042.8	2901.2	2796.9	2679.2	2575.0	2420.9	2269.1
37.5°	4189.2	4000.1	3795.0	3639.8	3457.4	3293.1	3118.7	2985.0	2804.9	2597.6	2382.3
40°	4854.3	4583.5	4336.5	4128.1	3892.5	3720.3	3525.4	3331.7	3092.7	2792.5	2496.8
42.5°	5548.7	5268.9	4942.6	4671.8	4394.3	4192.7	3951.4	3679.5	3328.3	2956.8	2595.4
45°	6277.1	5903.3	5512.4	5181.6	4892.8	4642.4	4343.3	3983.1	3554.9	3104.0	2687.1
47.5°	6995.3	6566.0	6100.4	5744.7	5368.6	5062.7	4695.7	4240.2	3731.6	3243.4	2778.9
50°	7628.6	7215.1	6654.4	6202.4	5821.7	5444.4	4986.8	4438.4	3870.9	3363.4	2861.6
52.5°	8174.6	7818.9	7228.7	6657.7	6219.3	5795.7	5221.2	4598.3	4011.4	3474.4	2929.5
55°	8575.6	8338.8	7795.1	7087.1	6569.3	6064.1	5419.6	4752.3	4143.9	3562.8	2973.7
57.5°	8878.1	8746.7	8280.0	7491.5	6891.1	6324.7	5624.6	4937.0	4275.4	3638.7	2994.1
60°	9043.5	9079.8	8647.0	7845.0	7175.4	6542.2	5829.6	5094.4	4372.8	3682.9	2982.8
62.5°	9027.7	9249.6	8922.3	8062.5	7340.8	6671.3	5967.9	5168.0	4359.2	3612.7	2879.6
63°	8997.1	9255.3	8952.9	8077.2	7351.0	6675.9	5971.2	5157.8	4330.9	3578.6	2838.9
65°	8733.1	9125.1	8926.8	8010.4	7260.4	6590.9	5899.9	5010.5	4131.5	3396.3	2629.3
67.5°	8026.2	8516.7	8460.1	7537.9	6831.0	6239.7	5535.1	4535.9	3638.7	2947.6	2228.3
70°	6858.3	7319.3	7329.5	6555.8	5965.5	5385.5	4799.8	3690.8	2884.2	2284.9	1661.9
72.5°	5256.4	5553.2	5656.3	5146.5	4751.2	4343.3	3817.7	2679.2	2056.1	1554.2	1081.9
75°	4070.4	3988.8	3987.7	3772.4	3611.5	3412.1	2834.3	1808.0	1350.3	1010.5	661.6
77.5°	3659.1	3296.6	2945.4	2687.1	2558.0	2491.1	1859.0	1089.8	796.4	581.1	380.7
80°	3017.9	2483.2	2006.2	1727.5	1616.6	1693.6	1036.6	589.1	436.2	330.8	247.0
82.5°	2081.0	1727.5	1312.9	1087.5	933.5	976.5	530.1	301.3	201.7	184.7	152.9
85°	1084.1	950.4	802.1	688.7	608.4	534.7	275.3	143.9	83.8	73.7	66.9
87.5°	0.0	1.1	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°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
2.5°	1198.5	1197.4	1199.7	1200.8	1204.2	1206.5	1207.6	1205.3	1208.8	1212.1	1209.9
5°	1230.2	1238.2	1239.4	1242.7	1242.7	1249.5	1249.5	1249.5	1248.4	1249.5	1247.3
7.5°	1257.5	1267.6	1268.8	1273.3	1274.4	1282.4	1279.0	1281.2	1281.2	1275.5	1273.3
10°	1260.8	1271.1	1276.8	1282.4	1290.3	1300.5	1300.5	1306.1	1306.1	1301.7	1300.5
12.5°	1262.0	1270.0	1275.5	1283.5	1294.8	1309.6	1317.5	1325.4	1328.8	1327.7	1324.3
15°	1285.8	1285.8	1286.9	1293.7	1301.7	1319.7	1331.1	1340.2	1345.8	1343.5	1337.9
17.5°	1348.1	1339.0	1332.2	1320.9	1323.2	1332.2	1339.0	1347.0	1348.1	1345.8	1336.8
20°	1420.6	1409.2	1392.3	1374.1	1365.0	1358.2	1353.8	1353.8	1350.3	1339.0	1324.3
22.5°	1523.6	1508.9	1485.1	1458.0	1439.8	1418.3	1392.3	1367.4	1340.2	1312.9	1281.2
25°	1666.4	1646.1	1621.1	1579.2	1540.7	1495.4	1442.1	1386.6	1322.1	1265.4	1219.0
27.5°	1810.2	1764.9	1700.4	1642.6	1571.3	1503.3	1427.4	1359.5	1276.8	1208.8	1157.8
30°	1929.2	1843.2	1750.2	1658.5	1564.5	1472.7	1382.1	1300.5	1209.9	1140.8	1090.9
32.5°	2021.0	1902.1	1772.9	1652.8	1537.3	1425.1	1320.9	1230.2	1138.5	1067.2	1013.9
35°	2106.0	1940.6	1776.3	1627.9	1485.1	1368.5	1250.7	1152.1	1054.7	979.9	922.1
37.5°	2169.4	1958.7	1755.9	1581.4	1417.2	1286.9	1166.8	1066.1	966.3	884.7	819.1
40°	2210.2	1947.4	1711.7	1514.6	1336.8	1199.7	1077.3	973.1	876.8	787.4	708.0
42.5°	2243.0	1932.7	1667.5	1453.4	1273.3	1123.8	998.1	885.9	788.5	691.1	603.8
45°	2291.7	1943.9	1648.3	1410.4	1216.7	1059.2	921.0	804.3	702.3	607.2	523.4
47.5°	2339.4	1949.6	1620.0	1357.1	1145.3	992.4	851.9	738.6	634.4	547.2	470.1
50°	2382.3	1946.2	1575.8	1289.2	1076.2	925.5	789.6	676.3	573.2	492.7	420.3
52.5°	2402.8	1927.0	1521.4	1223.4	1020.7	866.6	728.4	618.5	516.6	440.7	373.9
55°	2400.5	1877.1	1450.1	1161.1	959.5	804.3	668.4	559.6	467.9	397.6	339.8
57.5°	2366.5	1800.1	1374.1	1092.1	879.1	727.3	598.1	492.7	415.7	356.8	308.1
60°	2295.2	1701.5	1274.4	991.3	778.2	632.1	510.9	420.3	358.0	312.7	280.9
62.5°	2161.5	1559.9	1149.9	850.8	642.3	508.7	403.3	344.4	298.0	270.8	256.0
63°	2121.8	1521.4	1096.6	816.7	610.6	480.3	380.7	319.4	285.5	261.7	248.1
65°	1924.7	1332.2	917.6	659.4	474.7	370.4	305.9	259.4	239.1	228.8	227.7
67.5°	1558.8	1047.9	649.1	452.0	322.9	267.4	234.5	215.3	206.1	203.9	206.1
70°	1094.3	661.6	412.4	300.2	239.1	215.3	200.6	192.6	186.9	188.1	190.3
72.5°	697.9	396.5	283.3	227.7	201.7	189.2	182.4	180.1	179.0	177.9	177.9
75°	397.6	263.9	217.5	197.1	183.5	173.3	167.6	165.4	166.5	167.6	165.4
77.5°	262.8	217.5	193.7	180.1	167.6	156.4	152.9	151.8	154.0	156.4	156.4
80°	207.4	193.7	180.1	166.5	146.1	138.2	140.5	141.6	140.5	141.6	138.2
82.5°	146.1	143.9	147.3	141.6	121.2	114.4	112.2	113.3	111.0	111.0	108.7
85°	68.0	68.0	71.3	71.3	69.1	70.2	75.9	82.7	86.1	82.7	78.1
87.5°	0.0	0.0	0.0	0.0	0.0	10.2	20.4	29.5	31.7	39.6	38.5
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: P180987

CATALOG NUMBER: ICM-E04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
2.5°	1206.5	1208.8	1207.6	1206.5	1208.8	1206.5	1207.6	1206.5	1206.5	1205.3	1205.3
5°	1245.0	1248.4	1241.6	1240.5	1238.2	1232.6	1232.6	1230.2	1230.2	1225.8	1222.3
7.5°	1270.0	1271.1	1265.4	1264.3	1258.6	1252.9	1248.4	1243.8	1242.7	1239.4	1232.6
10°	1293.7	1291.4	1286.9	1281.2	1275.5	1267.6	1262.0	1256.3	1255.2	1249.5	1241.6
12.5°	1314.1	1312.9	1303.9	1298.2	1289.2	1281.2	1274.4	1267.6	1264.3	1257.5	1246.1
15°	1327.7	1320.9	1309.6	1299.4	1289.2	1280.1	1272.2	1264.3	1260.8	1252.9	1241.6
17.5°	1322.1	1309.6	1294.8	1282.4	1268.8	1257.5	1250.7	1242.7	1237.0	1232.6	1216.7
20°	1301.7	1283.5	1260.8	1246.1	1228.0	1213.3	1208.8	1200.8	1196.3	1179.3	1158.9
22.5°	1248.4	1222.3	1194.1	1172.5	1152.1	1137.4	1126.1	1118.1	1106.8	1096.6	1064.8
25°	1181.6	1152.1	1122.6	1096.6	1069.4	1046.7	1026.3	1007.1	1001.4	979.9	949.3
27.5°	1117.0	1084.1	1054.7	1024.1	988.9	960.7	925.5	898.3	880.2	857.6	829.2
30°	1047.9	1015.0	975.4	934.6	893.8	863.3	823.5	790.7	768.1	744.3	718.2
32.5°	960.7	921.0	873.4	828.1	790.7	754.5	714.8	683.1	660.5	638.9	614.0
35°	860.9	808.8	757.9	708.0	668.4	637.8	602.7	578.9	563.0	543.7	517.7
37.5°	746.5	687.6	633.3	594.7	559.6	530.1	505.2	490.5	473.5	463.4	447.4
40°	631.0	573.2	520.0	484.8	455.4	438.4	424.8	421.4	410.0	396.5	386.3
42.5°	529.0	473.5	421.4	393.1	373.9	369.3	362.5	362.5	356.8	346.6	339.8
45°	459.9	402.1	356.8	336.5	326.2	325.1	321.8	321.8	320.6	316.1	308.1
47.5°	410.0	358.0	322.9	310.4	308.1	305.9	302.5	301.3	300.2	296.8	292.3
50°	364.7	320.6	298.0	292.3	293.4	290.0	286.6	283.3	282.0	278.7	274.1
52.5°	322.9	291.2	276.4	273.0	273.0	273.0	270.8	270.8	268.5	267.4	262.8
55°	299.1	275.3	267.4	266.2	265.1	263.9	261.7	261.7	259.4	258.3	252.7
57.5°	278.7	263.9	259.4	257.1	256.0	253.8	252.7	252.7	252.7	252.7	245.9
60°	262.8	256.0	254.9	252.7	251.5	247.0	244.7	243.5	244.7	245.9	239.1
62.5°	245.9	244.7	243.5	241.3	240.2	235.6	232.2	230.0	232.2	234.5	233.4
63°	241.3	240.2	240.2	239.1	237.9	232.2	228.8	226.6	228.8	231.1	231.1
65°	225.4	226.6	226.6	225.4	224.3	220.9	216.4	214.1	215.3	218.6	219.8
67.5°	208.5	209.6	208.5	209.6	208.5	206.1	202.8	200.6	199.4	200.6	201.7
70°	192.6	194.9	193.7	192.6	191.4	191.4	189.2	185.8	184.7	183.5	183.5
72.5°	179.0	179.0	176.7	176.7	175.6	175.6	173.3	170.0	168.8	168.8	166.5
75°	164.3	164.3	160.8	160.8	158.6	159.7	157.5	154.0	152.9	152.9	151.8
77.5°	155.2	151.8	146.1	145.0	143.9	143.9	142.7	139.3	138.2	138.2	137.1
80°	137.1	130.2	124.7	123.4	124.7	126.9	126.9	124.7	124.7	124.7	124.7
82.5°	106.5	104.2	100.8	98.5	98.5	102.0	106.5	108.7	111.0	113.3	113.3
85°	78.1	79.3	78.1	74.8	73.7	77.0	81.6	86.1	87.3	91.7	90.6
87.5°	42.0	43.1	39.6	38.5	42.0	44.2	48.7	49.9	52.1	53.2	54.4
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: P180987

CATALOG NUMBER: ICM-E04-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
2.5°	1204.2	1203.1	1204.2	1202.0	1202.0	1199.7	1197.4	1196.3	1194.1	1192.8	1190.6
5°	1224.6	1221.2	1217.8	1216.7	1212.1	1207.6	1204.2	1198.5	1194.1	1186.1	1183.8
7.5°	1238.2	1230.2	1225.8	1224.6	1217.8	1214.4	1206.5	1199.7	1192.8	1182.7	1179.3
10°	1243.8	1235.9	1228.0	1224.6	1216.7	1211.0	1203.1	1192.8	1187.3	1177.0	1174.8
12.5°	1250.7	1235.9	1223.4	1214.4	1203.1	1190.6	1182.7	1177.0	1169.1	1163.4	1161.1
15°	1238.2	1219.0	1199.7	1182.7	1164.6	1151.0	1143.1	1134.0	1124.9	1121.5	1121.5
17.5°	1204.2	1179.3	1146.4	1124.9	1105.7	1090.9	1080.8	1071.6	1070.5	1066.1	1068.3
20°	1134.0	1101.1	1069.4	1053.6	1042.2	1033.1	1023.0	1018.4	1015.0	1008.2	1006.0
22.5°	1036.6	1009.4	986.7	975.4	966.3	955.0	946.0	932.3	928.9	922.1	918.7
25°	928.9	907.4	888.2	880.2	874.5	858.7	853.0	834.9	822.4	814.5	819.1
27.5°	821.3	805.5	787.4	777.1	773.8	759.0	753.3	732.9	722.8	722.8	711.4
30°	710.3	695.5	684.3	672.9	670.6	652.6	637.8	629.9	618.5	614.0	606.1
32.5°	606.1	591.4	582.2	576.7	567.5	552.8	538.1	524.5	506.4	499.5	496.2
35°	509.8	498.4	487.2	482.6	470.1	454.2	436.2	424.8	403.3	395.4	392.0
37.5°	436.2	422.5	414.6	402.1	389.7	372.7	359.1	348.9	341.0	337.6	337.6
40°	377.2	367.1	358.0	347.8	337.6	328.6	321.8	319.4	318.3	318.3	320.6
42.5°	333.0	324.0	319.4	313.8	310.4	310.4	309.3	310.4	311.5	312.7	316.1
45°	303.6	298.0	295.6	294.5	296.8	299.1	300.2	302.5	307.0	309.3	310.4
47.5°	287.7	283.3	282.0	283.3	286.6	291.2	295.6	299.1	302.5	303.6	304.7
50°	271.9	266.2	263.9	266.2	270.8	277.6	280.9	286.6	288.8	291.2	288.8
52.5°	258.3	253.8	252.7	252.7	257.1	261.7	266.2	270.8	271.9	271.9	270.8
55°	247.0	243.5	240.2	242.4	245.9	250.3	257.1	260.6	262.8	263.9	263.9
57.5°	237.9	234.5	231.1	233.4	236.7	241.3	248.1	251.5	253.8	257.1	258.3
60°	231.1	226.6	223.2	226.6	230.0	236.7	242.4	245.9	251.5	252.7	252.7
62.5°	224.3	219.8	214.1	217.5	217.5	220.9	226.6	231.1	236.7	239.1	239.1
63°	223.2	218.6	212.9	215.3	215.3	217.5	222.0	226.6	233.4	235.6	234.5
65°	214.1	212.9	207.4	207.4	205.0	207.4	210.7	215.3	218.6	222.0	222.0
67.5°	199.4	198.2	197.1	197.1	197.1	199.4	201.7	205.0	208.5	210.7	209.6
70°	182.4	182.4	182.4	183.5	183.5	185.8	186.9	185.8	189.2	191.4	190.3
72.5°	167.6	166.5	165.4	167.6	166.5	166.5	168.8	167.6	171.1	171.1	172.2
75°	151.8	150.7	150.7	151.8	149.5	147.3	148.4	148.4	149.5	149.5	151.8
77.5°	138.2	138.2	138.2	137.1	134.8	133.7	132.6	132.6	132.6	132.6	133.7
80°	125.8	125.8	125.8	124.7	122.3	120.1	117.9	116.7	115.5	109.9	109.9
82.5°	113.3	113.3	113.3	113.3	112.2	109.9	106.5	97.4	92.9	88.4	89.5
85°	89.5	91.7	94.0	97.4	96.3	96.3	89.5	78.1	71.3	66.9	68.0
87.5°	57.8	51.0	51.0	49.9	47.5	45.3	45.3	38.5	31.7	28.3	29.5
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: P180987
 CATALOG NUMBER: ICM-E04-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	0°
2.5°	1190.6	1188.4	1186.1	1186.1	1182.7	1182.7	1180.4	1184.9	1180.4	1177.0	1177.0	2.5°
5°	1181.6	1179.3	1172.5	1171.4	1166.8	1166.8	1166.8	1164.6	1164.6	1162.3	1161.1	5°
7.5°	1175.9	1170.2	1164.6	1161.1	1161.1	1158.9	1163.4	1161.1	1162.3	1162.3	1163.4	7.5°
10°	1171.4	1166.8	1164.6	1163.4	1163.4	1166.8	1170.2	1171.4	1170.2	1171.4	1171.4	10°
12.5°	1160.0	1162.3	1163.4	1168.0	1173.6	1180.4	1188.4	1189.5	1191.7	1191.7	1194.1	12.5°
15°	1123.8	1129.4	1136.3	1147.5	1162.3	1177.0	1191.7	1204.2	1215.5	1221.2	1225.8	15°
17.5°	1072.8	1078.4	1090.9	1103.4	1122.6	1144.2	1169.1	1190.6	1214.4	1235.9	1257.5	17.5°
20°	1003.7	1012.8	1016.2	1038.8	1061.5	1090.9	1120.4	1154.3	1195.2	1235.9	1277.9	20°
22.5°	914.2	924.4	940.3	958.4	982.1	1018.4	1053.6	1106.8	1161.1	1219.0	1284.7	22.5°
25°	814.5	825.9	839.4	858.7	882.5	921.0	972.0	1028.7	1095.4	1171.4	1252.9	25°
27.5°	711.4	722.8	734.1	747.6	774.9	815.6	875.7	934.6	1008.2	1090.9	1186.1	27.5°
30°	608.4	609.5	616.3	633.3	661.6	714.8	759.0	832.7	909.7	996.9	1106.8	30°
32.5°	495.1	494.0	501.9	516.6	543.7	594.7	649.1	720.5	796.4	906.2	1019.5	32.5°
35°	394.2	394.2	408.9	423.7	454.2	490.5	538.1	601.6	691.1	793.0	906.2	35°
37.5°	341.0	348.9	358.0	372.7	396.5	424.8	466.7	522.2	592.5	689.9	794.1	37.5°
40°	324.0	328.6	336.5	350.0	370.4	396.5	427.1	469.0	523.4	601.6	696.7	40°
42.5°	317.2	318.3	322.9	333.0	351.2	377.2	408.9	446.3	487.2	542.6	625.3	42.5°
45°	310.4	309.3	311.5	319.4	334.2	363.6	399.9	440.7	481.5	527.9	595.9	45°
47.5°	304.7	304.7	304.7	308.1	321.8	351.2	393.1	440.7	489.4	541.5	608.4	47.5°
50°	288.8	287.7	287.7	290.0	300.2	331.9	381.8	439.5	503.0	571.0	646.9	50°
52.5°	270.8	270.8	271.9	273.0	282.0	313.8	369.3	439.5	518.9	609.5	704.7	52.5°
55°	265.1	266.2	267.4	266.2	273.0	300.2	355.7	432.7	525.7	640.1	767.0	55°
57.5°	260.6	262.8	262.8	261.7	266.2	288.8	342.1	419.2	520.0	651.4	811.1	57.5°
60°	253.8	253.8	253.8	250.3	252.7	273.0	321.8	397.6	501.9	641.2	818.0	60°
62.5°	239.1	239.1	236.7	235.6	234.5	250.3	294.5	365.9	469.0	614.0	800.9	62.5°
63°	235.6	234.5	234.5	231.1	231.1	245.9	288.8	361.4	459.9	607.2	794.1	63°
65°	223.2	223.2	223.2	220.9	219.8	231.1	266.2	329.7	424.8	575.4	760.1	65°
67.5°	209.6	210.7	208.5	207.4	206.1	212.9	240.2	290.0	370.4	508.7	696.7	67.5°
70°	190.3	191.4	191.4	190.3	189.2	193.7	210.7	249.2	307.0	423.7	593.6	70°
72.5°	173.3	175.6	175.6	177.9	177.9	181.2	188.1	207.4	245.9	330.8	466.7	72.5°
75°	155.2	156.4	158.6	160.8	158.6	157.5	158.6	173.3	192.6	244.7	333.0	75°
77.5°	139.3	142.7	142.7	141.6	138.2	135.9	135.9	142.7	158.6	185.8	237.9	77.5°
80°	115.5	121.2	122.3	119.0	115.5	115.5	117.9	122.3	132.6	152.9	180.1	80°
82.5°	92.9	98.5	99.7	100.8	99.7	103.1	103.1	104.2	109.9	125.8	147.3	82.5°
85°	71.3	75.9	79.3	80.5	81.6	82.7	81.6	75.9	79.3	89.5	99.7	85°
87.5°	31.7	32.8	30.6	31.7	30.6	31.7	32.8	27.2	26.0	35.2	36.3	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: P180987

NUMBER: ICM-E04-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1188.4	1188.4	1188.4	1188.4	1188.4	1188.4	1188.4
1175.9	1175.9	1177.0	1174.8	1174.8	1175.9	1172.5
1157.8	1162.3	1162.3	1162.3	1160.0	1162.3	1163.4
1162.3	1165.7	1168.0	1168.0	1166.8	1171.4	1174.8
1168.0	1173.6	1175.9	1175.9	1175.9	1181.6	1189.5
1189.5	1194.1	1197.4	1197.4	1199.7	1206.5	1215.5
1229.1	1234.8	1234.8	1233.7	1240.5	1248.4	1258.6
1273.3	1289.2	1297.1	1296.0	1301.7	1311.8	1323.2
1315.3	1359.5	1378.7	1392.3	1398.0	1411.5	1414.9
1350.3	1424.0	1477.2	1522.5	1544.1	1557.7	1573.5
1337.9	1437.6	1532.8	1625.6	1691.4	1758.2	1786.5
1286.9	1411.5	1536.1	1672.1	1791.0	1910.0	1996.1
1224.6	1374.1	1541.8	1734.4	1922.4	2104.9	2249.9
1153.2	1339.0	1554.2	1792.2	2039.1	2278.2	2487.7
1063.7	1272.2	1523.6	1797.8	2088.9	2379.0	2650.9
950.4	1181.6	1452.3	1757.0	2091.3	2423.2	2748.3
837.2	1067.2	1361.7	1698.1	2061.8	2433.3	2809.4
757.9	965.2	1270.0	1623.4	2014.2	2417.5	2838.9
703.5	891.5	1188.4	1555.4	1963.2	2389.1	2843.5
699.0	859.8	1135.1	1505.6	1922.4	2364.2	2843.5
737.5	876.8	1117.0	1480.7	1905.4	2356.3	2845.7
810.0	944.7	1149.9	1499.9	1919.1	2366.5	2855.9
897.2	1047.9	1238.2	1566.7	1976.8	2400.5	2878.5
976.5	1166.8	1388.8	1695.8	2082.2	2486.6	2942.0
1023.0	1268.8	1548.6	1877.1	2262.2	2657.7	3068.9
1028.7	1325.4	1690.2	2074.2	2480.9	2853.6	3271.6
1024.1	1330.0	1708.3	2111.6	2527.4	2902.3	3341.9
999.2	1331.1	1759.3	2243.0	2688.2	3107.4	3537.9
935.7	1294.8	1777.4	2346.2	2891.0	3377.0	3903.7
825.9	1191.7	1724.2	2348.4	2969.2	3527.6	4134.9
663.8	995.7	1494.2	2136.6	2763.0	3379.3	4074.8
486.0	731.8	1129.4	1655.1	2254.3	2812.9	3490.3
322.9	473.5	761.3	1179.3	1616.6	2024.4	2512.7
222.0	293.4	445.2	709.1	988.9	1187.3	1600.8
163.2	193.7	247.0	362.5	475.8	585.7	836.0
102.0	111.0	123.4	179.0	256.0	345.5	521.1
27.2	28.3	26.0	35.2	55.5	53.2	58.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)