

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: P180996

Luminaire Tested: **ICM-E05-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180996
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-E05-LED-E1-SLL-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10922.7 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

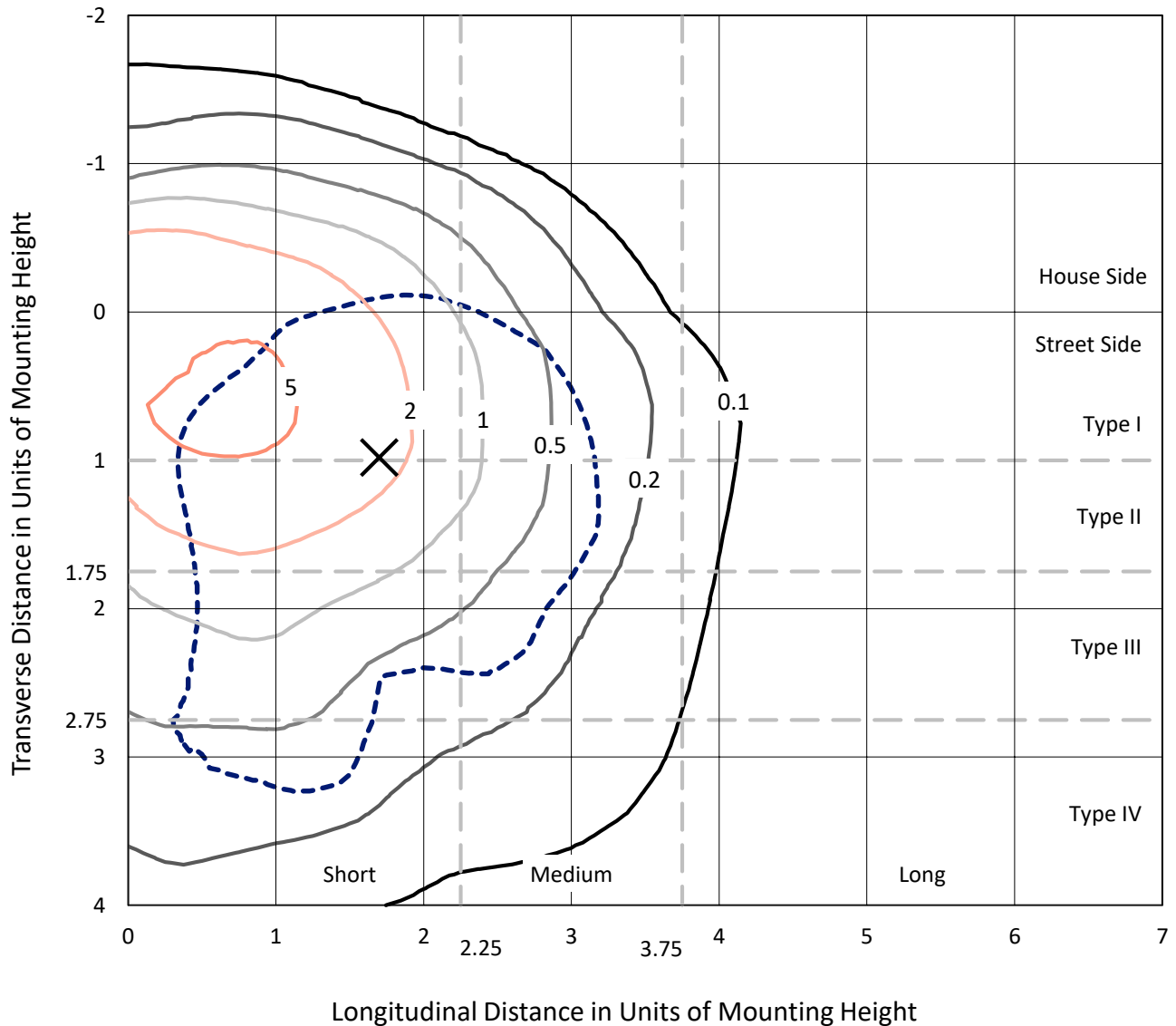
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

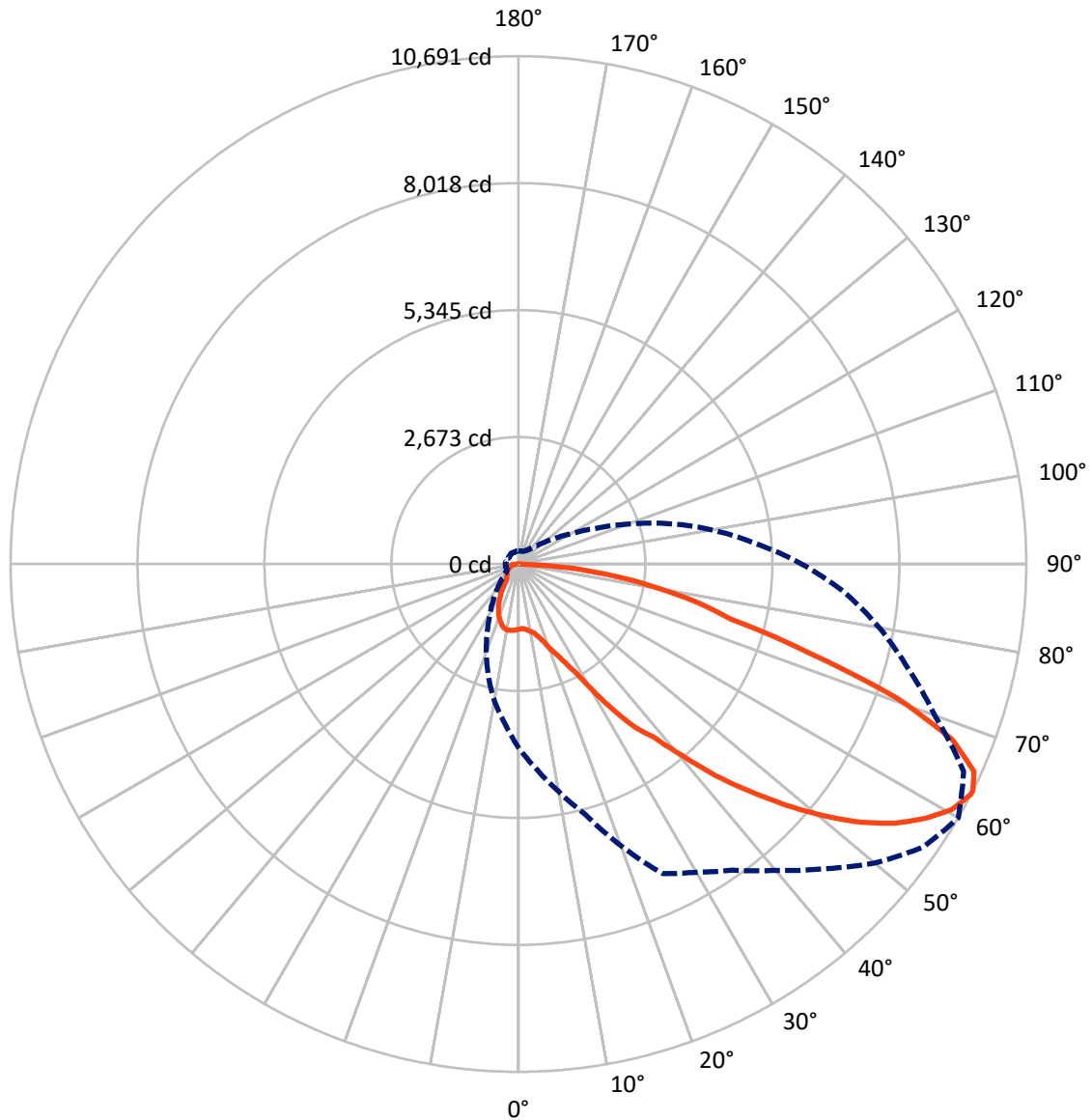
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 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	2368.5	0.0	2368.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8554.2	0.0	8554.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	10922.7	0.0	10922.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.6	1.2
10°-20°	416.1	3.8
20°-30°	739.3	6.8
30°-40°	1164.2	10.7
40°-50°	1713.4	15.7
50°-60°	2275.8	20.8
60°-70°	2506.8	23.0
70°-80°	1572.8	14.4
80°-90°	400.6	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°	10922.7	100.0
0°-180°	10922.7	100.0



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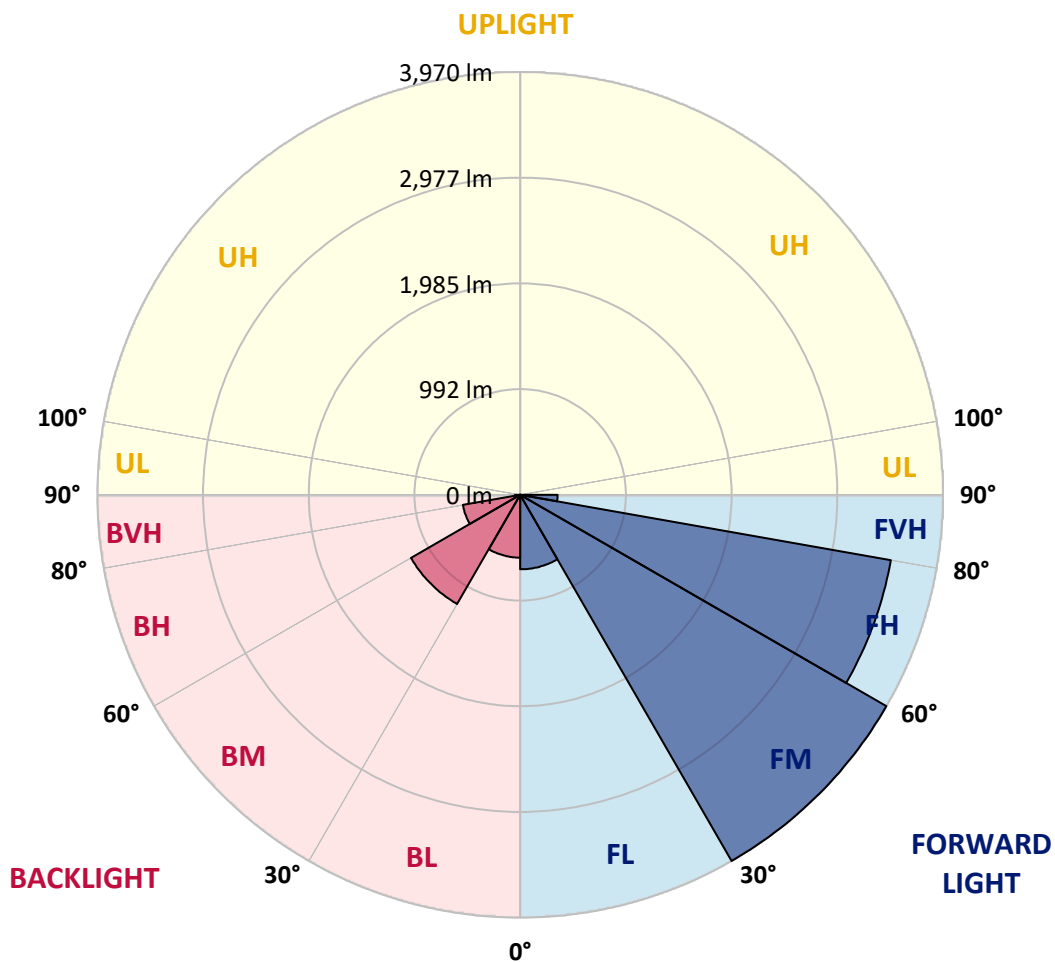
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	699.4	6.4			
FM (30°-60°)	3969.6	36.3			
FH (60°-80°)	3533.7	32.4			G2/5000
FVH (80°-90°)	351.5	3.2			G3/500
BL (0°-30°)	589.7	5.4	B2/1000		
BM (30°-60°)	1183.8	10.8	B2/2500		
BH (60°-80°)	546.0	5.0	B2/1000		G2/1000
BVH (80°-90°)	49.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1354.3	1356.9	1356.9	1355.6	1355.6	1358.2	1356.9	1355.6	1351.7	1356.9	1356.9
5°	1343.8	1346.4	1346.4	1349.1	1351.7	1354.3	1354.3	1356.9	1355.6	1360.8	1364.8
7.5°	1356.9	1359.5	1364.8	1371.4	1375.3	1384.4	1384.4	1391.0	1393.6	1397.5	1396.2
10°	1374.0	1380.5	1392.3	1402.7	1410.6	1421.0	1428.9	1438.1	1438.1	1442.0	1444.6
12.5°	1404.0	1410.6	1423.6	1436.8	1448.6	1461.6	1473.4	1482.5	1491.7	1494.3	1499.5
15°	1453.8	1461.6	1481.2	1499.5	1514.0	1531.0	1546.7	1565.0	1582.0	1586.0	1588.6
17.5°	1528.4	1544.0	1558.4	1591.2	1612.1	1634.3	1659.2	1685.4	1690.6	1718.1	1724.7
20°	1634.3	1654.0	1667.1	1707.6	1743.0	1771.7	1808.4	1838.4	1850.2	1876.4	1902.6
22.5°	1817.5	1813.6	1833.2	1873.8	1900.0	1957.6	1988.9	2020.4	2036.0	2075.3	2096.3
25°	2063.5	2084.5	2127.6	2131.5	2156.5	2223.2	2263.7	2295.2	2296.5	2308.2	2330.4
27.5°	2305.6	2392.0	2460.0	2496.7	2563.4	2624.9	2622.2	2666.8	2597.4	2611.8	2632.8
30°	2598.7	2742.6	2870.9	2957.2	3025.3	3097.2	3132.6	3157.5	3127.4	3114.3	3089.4
32.5°	2873.5	3075.0	3272.6	3425.7	3552.7	3671.7	3750.3	3785.5	3827.5	3933.4	3971.4
35°	3062.0	3347.2	3593.2	3814.3	4026.4	4216.0	4353.4	4431.9	4401.9	4387.5	4379.7
37.5°	3174.4	3522.5	3830.1	4142.8	4386.2	4670.1	4883.4	5090.2	5137.2	5054.8	5014.3
40°	3245.1	3657.3	4052.5	4421.5	4736.9	5103.2	5367.6	5677.7	5913.2	5944.6	5847.8
42.5°	3279.2	3747.7	4208.2	4625.6	5052.2	5501.1	5836.0	6211.6	6563.6	6805.6	6745.4
45°	3284.4	3806.4	4322.1	4810.2	5317.8	5850.4	6282.2	6698.3	7169.3	7584.2	7596.0
47.5°	3284.4	3851.0	4400.6	4943.6	5555.9	6154.0	6625.1	7117.1	7694.1	8184.8	8335.3
50°	3287.0	3881.0	4473.8	5048.3	5737.9	6410.5	6943.0	7524.0	8131.1	8665.0	8955.5
52.5°	3298.8	3903.3	4531.4	5122.8	5855.7	6591.0	7190.4	7860.3	8464.8	9013.1	9388.6
55°	3325.0	3934.7	4573.2	5168.7	5934.2	6708.8	7369.6	8090.6	8680.7	9236.9	9761.5
57.5°	3398.3	3989.7	4624.3	5209.2	5977.3	6786.0	7495.2	8190.0	8763.1	9342.8	9959.1
60°	3544.8	4106.2	4712.0	5290.4	6049.3	6928.6	7555.4	8123.3	8702.9	9311.4	10003.7
62.5°	3779.0	4288.0	4833.7	5427.8	6254.7	7149.7	7509.6	7924.4	8466.1	9129.5	9845.3
63°	3860.1	4327.3	4861.1	5457.8	6311.0	7190.4	7490.0	7865.5	8417.7	9072.0	9789.1
65°	4086.5	4501.3	4992.0	5609.6	6542.6	7230.9	7336.9	7559.3	8082.7	8743.5	9456.7
67.5°	4509.1	4923.9	5273.3	5866.1	6737.5	7071.2	6861.9	6889.3	7436.3	8120.7	8761.8
70°	4776.1	5270.7	5452.6	5898.8	6702.3	6834.4	6246.9	5883.1	6321.4	7101.3	7662.7
72.5°	4706.7	5274.6	5255.0	5463.1	5995.7	6118.6	5510.2	4937.1	5197.4	5779.8	6143.5
75°	4031.6	4710.6	4566.7	4524.9	4712.0	4793.1	4336.4	4248.8	4577.2	4900.4	4905.6
77.5°	2902.3	3649.5	3480.7	3238.6	3225.5	3412.6	3474.2	4048.6	4534.0	4789.1	4676.7
80°	1848.9	2658.9	2483.6	2060.9	2054.3	2297.8	2838.2	3619.4	4133.6	4276.2	3983.1
82.5°	965.7	1740.3	1807.1	1546.7	1770.4	2173.4	2700.8	2916.7	3111.6	3131.3	2785.9
85°	602.0	1070.3	1258.8	1299.4	1599.0	1927.5	1923.5	1847.6	1761.3	1507.5	1363.5
87.5°	68.0	134.8	204.1	193.7	260.4	365.1	455.4	267.0	187.2	68.0	94.2
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°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1359.5	1360.8	1362.1	1362.1	1368.8	1367.5	1368.8	1371.4	1375.3	1377.9	1380.5
5°	1370.1	1370.1	1375.3	1379.2	1387.1	1392.3	1394.9	1402.7	1411.9	1409.3	1417.1
7.5°	1404.0	1402.7	1408.0	1410.6	1417.1	1426.3	1424.9	1431.5	1439.4	1442.0	1448.6
10°	1449.9	1445.9	1445.9	1443.3	1444.6	1442.0	1442.0	1442.0	1447.3	1445.9	1451.2
12.5°	1496.9	1495.6	1493.0	1485.1	1485.1	1474.7	1469.5	1462.9	1461.6	1452.5	1453.8
15°	1593.8	1593.8	1588.6	1572.8	1559.7	1550.6	1537.5	1528.4	1515.3	1498.2	1489.1
17.5°	1735.1	1716.8	1710.2	1707.6	1686.7	1678.8	1650.1	1619.9	1605.6	1582.0	1568.9
20°	1907.8	1903.9	1877.7	1864.7	1838.4	1801.9	1765.2	1726.0	1702.4	1673.6	1657.9
22.5°	2102.8	2074.0	2060.9	2041.3	2000.8	1958.9	1903.9	1851.5	1814.9	1795.3	1783.5
25°	2330.4	2301.7	2288.6	2262.4	2212.7	2168.2	2100.2	2038.7	2006.0	1973.2	1954.9
27.5°	2632.8	2605.2	2589.6	2521.5	2504.5	2431.3	2347.5	2263.7	2220.6	2172.1	2140.8
30°	3084.2	3085.5	3004.4	2922.0	2836.9	2710.0	2622.2	2528.1	2457.4	2388.0	2318.7
32.5°	3847.1	3652.1	3501.6	3325.0	3140.5	3005.7	2897.0	2784.6	2686.4	2585.6	2470.5
35°	4312.9	4218.6	4023.7	3700.5	3514.7	3351.1	3230.7	3094.6	2974.3	2796.3	2620.9
37.5°	4838.9	4620.4	4383.6	4204.3	3993.6	3803.8	3602.3	3447.9	3239.9	3000.5	2751.8
40°	5607.0	5294.3	5009.1	4768.2	4496.1	4297.1	4072.1	3848.4	3572.3	3225.5	2884.0
42.5°	6409.2	6085.9	5709.1	5396.3	5075.8	4842.8	4564.1	4250.1	3844.4	3415.3	2997.8
45°	7250.6	6818.7	6367.3	5985.2	5651.5	5362.4	5016.9	4600.8	4106.2	3585.3	3103.8
47.5°	8080.1	7584.2	7046.4	6635.5	6201.1	5847.8	5423.8	4897.8	4310.3	3746.3	3209.8
50°	8811.6	8334.0	7686.3	7164.1	6724.5	6288.8	5760.1	5126.8	4471.2	3885.0	3305.3
52.5°	9442.3	9031.4	8349.6	7690.2	7183.8	6694.4	6031.0	5311.3	4633.5	4013.2	3383.8
55°	9905.5	9632.1	9004.0	8186.1	7588.1	7004.5	6259.9	5489.2	4786.5	4115.3	3434.9
57.5°	10254.9	10103.1	9564.0	8653.3	7959.8	7305.4	6496.8	5702.5	4938.4	4203.0	3458.4
60°	10445.9	10487.8	9988.0	9061.5	8288.1	7556.7	6733.6	5884.4	5050.9	4254.0	3445.3
62.5°	10427.6	10684.1	10305.9	9312.7	8479.2	7705.9	6893.3	5969.4	5035.2	4172.9	3326.3
63°	10392.2	10690.6	10341.3	9329.7	8491.0	7711.1	6897.3	5957.7	5002.4	4133.6	3279.2
65°	10087.4	10540.2	10311.1	9252.5	8386.3	7613.0	6814.7	5787.6	4772.2	3922.9	3037.0
67.5°	9270.8	9837.5	9772.1	8706.9	7890.4	7207.3	6393.4	5239.3	4203.0	3404.8	2573.9
70°	7921.8	8454.4	8466.1	7572.4	6890.6	6220.7	5544.2	4263.2	3331.5	2639.3	1919.6
72.5°	6071.6	6414.4	6533.4	5944.6	5487.9	5016.9	4409.7	3094.6	2375.0	1795.3	1249.7
75°	4701.5	4607.3	4606.0	4357.3	4171.6	3941.2	3273.9	2088.4	1559.7	1167.2	764.2
77.5°	4226.5	3807.8	3402.2	3103.8	2954.6	2877.4	2147.3	1258.8	919.9	671.3	439.6
80°	3485.9	2868.3	2317.4	1995.5	1867.3	1956.2	1197.3	680.5	503.8	382.0	285.3
82.5°	2403.7	1995.5	1516.6	1256.2	1078.2	1127.9	612.4	348.1	232.9	213.3	176.7
85°	1252.3	1097.9	926.4	795.5	702.7	617.6	318.0	166.1	96.8	85.0	77.2
87.5°	0.0	1.3	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°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1384.4	1383.1	1385.7	1387.1	1391.0	1393.6	1394.9	1392.3	1396.2	1400.1	1397.5
5°	1421.0	1430.2	1431.5	1435.5	1435.5	1443.3	1443.3	1443.3	1442.0	1443.3	1440.7
7.5°	1452.5	1464.2	1465.5	1470.8	1472.1	1481.2	1477.3	1479.9	1479.9	1473.4	1470.8
10°	1456.4	1468.2	1474.7	1481.2	1490.4	1502.1	1502.1	1508.8	1508.8	1503.5	1502.1
12.5°	1457.7	1466.9	1473.4	1482.5	1495.6	1512.7	1521.8	1531.0	1534.9	1533.6	1529.7
15°	1485.1	1485.1	1486.5	1494.3	1503.5	1524.4	1537.5	1548.0	1554.5	1551.9	1545.4
17.5°	1557.1	1546.7	1538.8	1525.8	1528.4	1538.8	1546.7	1555.8	1557.1	1554.5	1544.0
20°	1640.8	1627.8	1608.2	1587.3	1576.8	1568.9	1563.6	1563.6	1559.7	1546.7	1529.7
22.5°	1759.9	1743.0	1715.5	1684.1	1663.2	1638.2	1608.2	1579.4	1548.0	1516.6	1479.9
25°	1924.8	1901.3	1872.5	1824.1	1779.5	1727.3	1665.8	1601.6	1527.1	1461.6	1408.0
27.5°	2091.0	2038.7	1964.1	1897.3	1814.9	1736.4	1648.8	1570.2	1474.7	1396.2	1337.3
30°	2228.4	2128.9	2021.7	1915.6	1807.1	1701.0	1596.4	1502.1	1397.5	1317.7	1260.1
32.5°	2334.4	2197.0	2047.8	1909.1	1775.6	1646.1	1525.8	1421.0	1315.1	1232.7	1171.2
35°	2432.6	2241.5	2051.7	1880.4	1715.5	1580.7	1444.6	1330.8	1218.2	1131.9	1065.1
37.5°	2505.8	2262.4	2028.2	1826.7	1636.9	1486.5	1347.8	1231.4	1116.2	1022.0	946.1
40°	2552.9	2249.3	1977.2	1749.5	1544.0	1385.7	1244.4	1124.0	1012.8	909.4	817.9
42.5°	2590.9	2232.3	1926.2	1678.8	1470.8	1298.1	1152.8	1023.3	910.7	798.2	697.4
45°	2647.2	2245.4	1903.9	1629.1	1405.3	1223.4	1063.8	929.0	811.3	701.4	604.6
47.5°	2702.1	2251.9	1871.2	1567.6	1322.9	1146.2	984.0	853.1	732.7	632.0	543.1
50°	2751.8	2248.0	1820.2	1489.1	1243.1	1069.0	912.0	781.2	662.1	569.2	485.5
52.5°	2775.4	2225.8	1757.3	1413.2	1179.0	1001.0	841.4	714.4	596.7	509.0	431.8
55°	2772.8	2168.2	1674.9	1341.2	1108.3	929.0	772.0	646.4	540.4	459.3	392.6
57.5°	2733.5	2079.3	1587.3	1261.4	1015.4	840.1	690.9	569.2	480.2	412.2	355.9
60°	2651.1	1965.4	1472.1	1144.9	899.0	730.1	590.1	485.5	413.5	361.1	324.5
62.5°	2496.7	1801.9	1328.2	982.7	742.0	587.5	465.9	397.8	344.1	312.7	295.7
63°	2450.9	1757.3	1266.6	943.4	705.3	554.8	439.6	369.0	329.8	302.2	286.6
65°	2223.2	1538.8	1059.9	761.6	548.3	427.9	353.3	299.6	276.1	264.3	263.0
67.5°	1800.6	1210.4	749.8	522.1	372.9	308.8	270.9	248.7	238.1	235.5	238.1
70°	1264.0	764.2	476.3	346.8	276.1	248.7	231.6	222.4	215.9	217.2	219.8
72.5°	806.1	458.0	327.2	263.0	232.9	218.5	210.7	208.1	206.8	205.4	205.4
75°	459.3	304.8	251.3	227.7	212.0	200.2	193.7	191.1	192.4	193.7	191.1
77.5°	303.5	251.3	223.7	208.1	193.7	180.6	176.7	175.3	178.0	180.6	180.6
80°	239.4	223.7	208.1	192.4	168.8	159.6	162.2	163.5	162.2	163.5	159.6
82.5°	168.8	166.1	170.1	163.5	140.0	132.2	129.6	130.9	128.3	128.3	125.6
85°	78.5	78.5	82.4	82.4	79.8	81.1	87.6	95.5	99.4	95.5	90.3
87.5°	0.0	0.0	0.0	0.0	0.0	11.8	23.5	34.0	36.7	45.8	44.5
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: P180996

CATALOG NUMBER: ICM-E05-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1393.6	1396.2	1394.9	1393.6	1396.2	1393.6	1394.9	1393.6	1393.6	1392.3	1392.3
5°	1438.1	1442.0	1434.1	1432.8	1430.2	1423.6	1423.6	1421.0	1421.0	1415.8	1411.9
7.5°	1466.9	1468.2	1461.6	1460.3	1453.8	1447.3	1442.0	1436.8	1435.5	1431.5	1423.6
10°	1494.3	1491.7	1486.5	1479.9	1473.4	1464.2	1457.7	1451.2	1449.9	1443.3	1434.1
12.5°	1517.9	1516.6	1506.1	1499.5	1489.1	1479.9	1472.1	1464.2	1460.3	1452.5	1439.4
15°	1533.6	1525.8	1512.7	1500.8	1489.1	1478.6	1469.5	1460.3	1456.4	1447.3	1434.1
17.5°	1527.1	1512.7	1495.6	1481.2	1465.5	1452.5	1444.6	1435.5	1428.9	1423.6	1405.3
20°	1503.5	1482.5	1456.4	1439.4	1418.4	1401.4	1396.2	1387.1	1381.8	1362.1	1338.6
22.5°	1442.0	1411.9	1379.2	1354.3	1330.8	1313.8	1300.7	1291.5	1278.4	1266.6	1230.1
25°	1364.8	1330.8	1296.8	1266.6	1235.3	1209.0	1185.5	1163.3	1156.8	1131.9	1096.6
27.5°	1290.2	1252.3	1218.2	1182.9	1142.3	1109.6	1069.0	1037.7	1016.8	990.5	957.9
30°	1210.4	1172.5	1126.6	1079.5	1032.4	997.1	951.3	913.3	887.2	859.7	829.6
32.5°	1109.6	1063.8	1008.8	956.6	913.3	871.4	825.7	789.0	762.9	738.1	709.2
35°	994.5	934.2	875.4	817.9	772.0	736.7	696.1	668.7	650.3	628.1	598.0
37.5°	862.3	794.2	731.4	687.0	646.4	612.4	583.6	566.6	547.0	535.2	516.8
40°	728.8	662.1	600.7	560.0	526.0	506.4	490.7	486.8	473.7	458.0	446.2
42.5°	611.1	547.0	486.8	454.0	431.8	426.6	418.7	418.7	412.2	400.4	392.6
45°	531.3	464.6	412.2	388.7	376.8	375.5	371.6	371.6	370.3	365.1	355.9
47.5°	473.7	413.5	372.9	358.5	355.9	353.3	349.4	348.1	346.8	342.8	337.6
50°	421.3	370.3	344.1	337.6	338.9	335.0	331.1	327.2	325.9	321.9	316.7
52.5°	372.9	336.3	319.3	315.4	315.4	315.4	312.7	312.7	310.1	308.8	303.5
55°	345.5	318.0	308.8	307.5	306.2	304.8	302.2	302.2	299.6	298.3	291.8
57.5°	321.9	304.8	299.6	297.0	295.7	293.1	291.8	291.8	291.8	291.8	283.9
60°	303.5	295.7	294.4	291.8	290.5	285.3	282.6	281.3	282.6	283.9	276.1
62.5°	283.9	282.6	281.3	278.7	277.4	272.2	268.3	265.7	268.3	270.9	269.6
63°	278.7	277.4	277.4	276.1	274.8	268.3	264.3	261.7	264.3	267.0	267.0
65°	260.4	261.7	261.7	260.4	259.1	255.2	250.0	247.4	248.7	252.6	253.9
67.5°	240.7	242.0	240.7	242.0	240.7	238.1	234.2	231.6	230.3	231.6	232.9
70°	222.4	225.0	223.7	222.4	221.1	221.1	218.5	214.6	213.3	212.0	212.0
72.5°	206.8	206.8	204.1	204.1	202.8	202.8	200.2	196.3	195.0	195.0	192.4
75°	189.8	189.8	185.8	185.8	183.2	184.5	181.9	178.0	176.7	176.7	175.3
77.5°	179.3	175.3	168.8	167.5	166.1	166.1	164.8	160.9	159.6	159.6	158.3
80°	158.3	150.5	143.9	142.6	143.9	146.5	146.5	143.9	143.9	143.9	143.9
82.5°	123.0	120.4	116.5	113.9	113.9	117.8	123.0	125.6	128.3	130.9	130.9
85°	90.3	91.6	90.3	86.3	85.0	89.0	94.2	99.4	100.7	106.0	104.7
87.5°	48.4	49.8	45.8	44.5	48.4	51.1	56.3	57.6	60.2	61.5	62.8
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-E05-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1391.0	1389.7	1391.0	1388.4	1388.4	1385.7	1383.1	1381.8	1379.2	1377.9	1375.3
5°	1414.5	1410.6	1406.7	1405.3	1400.1	1394.9	1391.0	1384.4	1379.2	1370.1	1367.5
7.5°	1430.2	1421.0	1415.8	1414.5	1406.7	1402.7	1393.6	1385.7	1377.9	1366.1	1362.1
10°	1436.8	1427.6	1418.4	1414.5	1405.3	1398.8	1389.7	1377.9	1371.4	1359.5	1356.9
12.5°	1444.6	1427.6	1413.2	1402.7	1389.7	1375.3	1366.1	1359.5	1350.4	1343.8	1341.2
15°	1430.2	1408.0	1385.7	1366.1	1345.1	1329.5	1320.3	1309.9	1299.4	1295.4	1295.4
17.5°	1391.0	1362.1	1324.2	1299.4	1277.1	1260.1	1248.3	1237.9	1236.6	1231.4	1234.0
20°	1309.9	1271.9	1235.3	1216.9	1203.8	1193.4	1181.6	1176.4	1172.5	1164.6	1162.0
22.5°	1197.3	1165.9	1139.7	1126.6	1116.2	1103.1	1092.7	1076.9	1073.0	1065.1	1061.2
25°	1073.0	1048.1	1025.9	1016.8	1010.1	991.8	985.3	964.4	950.0	940.8	946.1
27.5°	948.7	930.3	909.4	897.7	893.7	876.7	870.1	846.6	834.8	834.8	821.8
30°	820.5	803.4	790.3	777.3	774.6	753.7	736.7	727.5	714.4	709.2	700.1
32.5°	700.1	683.1	672.6	666.1	655.5	638.5	621.6	605.9	584.9	577.0	573.1
35°	588.8	575.7	562.7	557.4	543.1	524.7	503.8	490.7	465.9	456.7	452.7
37.5°	503.8	488.1	478.9	464.6	450.1	430.5	414.8	403.0	393.9	390.0	390.0
40°	435.7	424.0	413.5	401.7	390.0	379.4	371.6	369.0	367.7	367.7	370.3
42.5°	384.7	374.2	369.0	362.4	358.5	358.5	357.2	358.5	359.8	361.1	365.1
45°	350.7	344.1	341.5	340.2	342.8	345.5	346.8	349.4	354.6	357.2	358.5
47.5°	332.4	327.2	325.9	327.2	331.1	336.3	341.5	345.5	349.4	350.7	352.0
50°	314.0	307.5	304.8	307.5	312.7	320.6	324.5	331.1	333.7	336.3	333.7
52.5°	298.3	293.1	291.8	291.8	297.0	302.2	307.5	312.7	314.0	314.0	312.7
55°	285.3	281.3	277.4	280.0	283.9	289.2	297.0	300.9	303.5	304.8	304.8
57.5°	274.8	270.9	267.0	269.6	273.5	278.7	286.6	290.5	293.1	297.0	298.3
60°	267.0	261.7	257.8	261.7	265.7	273.5	280.0	283.9	290.5	291.8	291.8
62.5°	259.1	253.9	247.4	251.3	251.3	255.2	261.7	267.0	273.5	276.1	276.1
63°	257.8	252.6	246.0	248.7	248.7	251.3	256.5	261.7	269.6	272.2	270.9
65°	247.4	246.0	239.4	239.4	236.8	239.4	243.4	248.7	252.6	256.5	256.5
67.5°	230.3	229.0	227.7	227.7	227.7	230.3	232.9	236.8	240.7	243.4	242.0
70°	210.7	210.7	210.7	212.0	212.0	214.6	215.9	214.6	218.5	221.1	219.8
72.5°	193.7	192.4	191.1	193.7	192.4	192.4	195.0	193.7	197.6	197.6	198.9
75°	175.3	174.0	174.0	175.3	172.7	170.1	171.4	171.4	172.7	172.7	175.3
77.5°	159.6	159.6	159.6	158.3	155.7	154.4	153.1	153.1	153.1	153.1	154.4
80°	145.2	145.2	145.2	143.9	141.3	138.7	136.1	134.8	133.5	126.9	126.9
82.5°	130.9	130.9	130.9	130.9	129.6	126.9	123.0	112.6	107.3	102.0	103.3
85°	103.3	106.0	108.7	112.6	111.3	111.3	103.3	90.3	82.4	77.2	78.5
87.5°	66.7	58.9	58.9	57.6	55.0	52.4	52.4	44.5	36.7	32.7	34.0
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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 CATALOG NUMBER: ICM-E05-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	0°
2.5°	1375.3	1372.7	1370.1	1370.1	1366.1	1366.1	1363.5	1368.8	1363.5	1359.5	1359.5	2.5°
5°	1364.8	1362.1	1354.3	1353.0	1347.8	1347.8	1347.8	1345.1	1345.1	1342.5	1341.2	5°
7.5°	1358.2	1351.7	1345.1	1341.2	1341.2	1338.6	1343.8	1341.2	1342.5	1342.5	1343.8	7.5°
10°	1353.0	1347.8	1345.1	1343.8	1343.8	1347.8	1351.7	1353.0	1351.7	1353.0	1353.0	10°
12.5°	1339.9	1342.5	1343.8	1349.1	1355.6	1363.5	1372.7	1374.0	1376.6	1376.6	1379.2	12.5°
15°	1298.1	1304.6	1312.5	1325.5	1342.5	1359.5	1376.6	1391.0	1404.0	1410.6	1415.8	15°
17.5°	1239.2	1245.7	1260.1	1274.5	1296.8	1321.6	1350.4	1375.3	1402.7	1427.6	1452.5	17.5°
20°	1159.4	1169.8	1173.8	1199.9	1226.1	1260.1	1294.1	1333.4	1380.5	1427.6	1476.0	20°
22.5°	1056.0	1067.7	1086.1	1107.0	1134.5	1176.4	1216.9	1278.4	1341.2	1408.0	1483.8	22.5°
25°	940.8	953.9	969.6	991.8	1019.4	1063.8	1122.7	1188.1	1265.3	1353.0	1447.3	25°
27.5°	821.8	834.8	847.9	863.6	895.0	942.1	1011.4	1079.5	1164.6	1260.1	1370.1	27.5°
30°	702.7	704.0	711.8	731.4	764.2	825.7	876.7	961.8	1050.7	1151.5	1278.4	30°
32.5°	571.8	570.5	579.6	596.7	628.1	687.0	749.8	832.2	919.9	1046.8	1177.7	32.5°
35°	455.4	455.4	472.4	489.4	524.7	566.6	621.6	694.8	798.2	916.0	1046.8	35°
37.5°	393.9	403.0	413.5	430.5	458.0	490.7	539.1	603.3	684.4	796.9	917.3	37.5°
40°	374.2	379.4	388.7	404.4	427.9	458.0	493.3	541.8	604.6	694.8	804.7	40°
42.5°	366.4	367.7	372.9	384.7	405.7	435.7	472.4	515.5	562.7	626.8	722.3	42.5°
45°	358.5	357.2	359.8	369.0	386.0	420.0	461.9	509.0	556.1	609.8	688.3	45°
47.5°	352.0	352.0	352.0	355.9	371.6	405.7	454.0	509.0	565.3	625.5	702.7	47.5°
50°	333.7	332.4	332.4	335.0	346.8	383.4	440.9	507.7	581.0	659.5	747.2	50°
52.5°	312.7	312.7	314.0	315.4	325.9	362.4	426.6	507.7	599.3	704.0	813.9	52.5°
55°	306.2	307.5	308.8	307.5	315.4	346.8	410.9	499.8	607.2	739.4	885.9	55°
57.5°	300.9	303.5	303.5	302.2	307.5	333.7	395.2	484.2	600.7	752.4	936.9	57.5°
60°	293.1	293.1	293.1	289.2	291.8	315.4	371.6	459.3	579.6	740.7	944.7	60°
62.5°	276.1	276.1	273.5	272.2	270.9	289.2	340.2	422.6	541.8	709.2	925.1	62.5°
63°	272.2	270.9	270.9	267.0	267.0	283.9	333.7	417.4	531.3	701.4	917.3	63°
65°	257.8	257.8	257.8	255.2	253.9	267.0	307.5	380.7	490.7	664.7	878.1	65°
67.5°	242.0	243.4	240.7	239.4	238.1	246.0	277.4	335.0	427.9	587.5	804.7	67.5°
70°	219.8	221.1	221.1	219.8	218.5	223.7	243.4	287.9	354.6	489.4	685.7	70°
72.5°	200.2	202.8	202.8	205.4	205.4	209.4	217.2	239.4	283.9	382.0	539.1	72.5°
75°	179.3	180.6	183.2	185.8	183.2	181.9	183.2	200.2	222.4	282.6	384.7	75°
77.5°	160.9	164.8	164.8	163.5	159.6	157.0	157.0	164.8	183.2	214.6	274.8	77.5°
80°	133.5	140.0	141.3	137.4	133.5	133.5	136.1	141.3	153.1	176.7	208.1	80°
82.5°	107.3	113.9	115.2	116.5	115.2	119.1	119.1	120.4	126.9	145.2	170.1	82.5°
85°	82.4	87.6	91.6	92.9	94.2	95.5	94.2	87.6	91.6	103.3	115.2	85°
87.5°	36.7	38.0	35.3	36.7	35.3	36.7	38.0	31.4	30.1	40.6	41.9	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: P180996

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1372.7	1372.7	1372.7	1372.7	1372.7	1372.7	1372.7
1358.2	1358.2	1359.5	1356.9	1356.9	1358.2	1354.3
1337.3	1342.5	1342.5	1342.5	1339.9	1342.5	1343.8
1342.5	1346.4	1349.1	1349.1	1347.8	1353.0	1356.9
1349.1	1355.6	1358.2	1358.2	1358.2	1364.8	1374.0
1374.0	1379.2	1383.1	1383.1	1385.7	1393.6	1404.0
1419.7	1426.3	1426.3	1424.9	1432.8	1442.0	1453.8
1470.8	1489.1	1498.2	1496.9	1503.5	1515.3	1528.4
1519.2	1570.2	1592.5	1608.2	1614.7	1630.4	1634.3
1559.7	1644.8	1706.3	1758.6	1783.5	1799.2	1817.5
1545.4	1660.5	1770.4	1877.7	1953.6	2030.8	2063.5
1486.5	1630.4	1774.3	1931.4	2068.8	2206.2	2305.6
1414.5	1587.3	1780.9	2003.4	2220.6	2431.3	2598.7
1332.1	1546.7	1795.3	2070.1	2355.4	2631.5	2873.5
1228.7	1469.5	1759.9	2076.7	2412.9	2747.9	3062.0
1097.9	1364.8	1677.5	2029.5	2415.5	2798.9	3174.4
967.0	1232.7	1572.8	1961.5	2381.5	2810.7	3245.1
875.4	1114.9	1466.9	1875.1	2326.5	2792.4	3279.2
812.6	1029.8	1372.7	1796.6	2267.6	2759.6	3284.4
807.4	993.1	1311.2	1739.0	2220.6	2730.9	3284.4
851.8	1012.8	1290.2	1710.2	2200.9	2721.7	3287.0
935.6	1091.3	1328.2	1732.5	2216.7	2733.5	3298.8
1036.4	1210.4	1430.2	1809.7	2283.4	2772.8	3325.0
1127.9	1347.8	1604.3	1958.9	2405.0	2872.2	3398.3
1181.6	1465.5	1788.8	2168.2	2613.1	3069.8	3544.8
1188.1	1531.0	1952.3	2395.9	2865.7	3296.2	3779.0
1182.9	1536.2	1973.2	2439.1	2919.3	3352.4	3860.1
1154.1	1537.5	2032.1	2590.9	3105.1	3589.2	4086.5
1080.8	1495.6	2053.0	2710.0	3339.4	3900.7	4509.1
953.9	1376.6	1991.5	2712.6	3429.6	4074.7	4776.1
766.8	1150.1	1726.0	2467.8	3191.5	3903.3	4706.7
561.4	845.3	1304.6	1911.7	2603.9	3249.0	4031.6
372.9	547.0	879.4	1362.1	1867.3	2338.3	2902.3
256.5	338.9	514.2	819.2	1142.3	1371.4	1848.9
188.5	223.7	285.3	418.7	549.6	676.5	965.7
117.8	128.3	142.6	206.8	295.7	399.1	602.0
31.4	32.7	30.1	40.6	64.1	61.5	68.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)