

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: P181003

Luminaire Tested: **ICM-F05-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181003
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-F05-LED-E1-SLL
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10683.7 lumens
Efficiency: N/A
Efficacy: 80.1 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

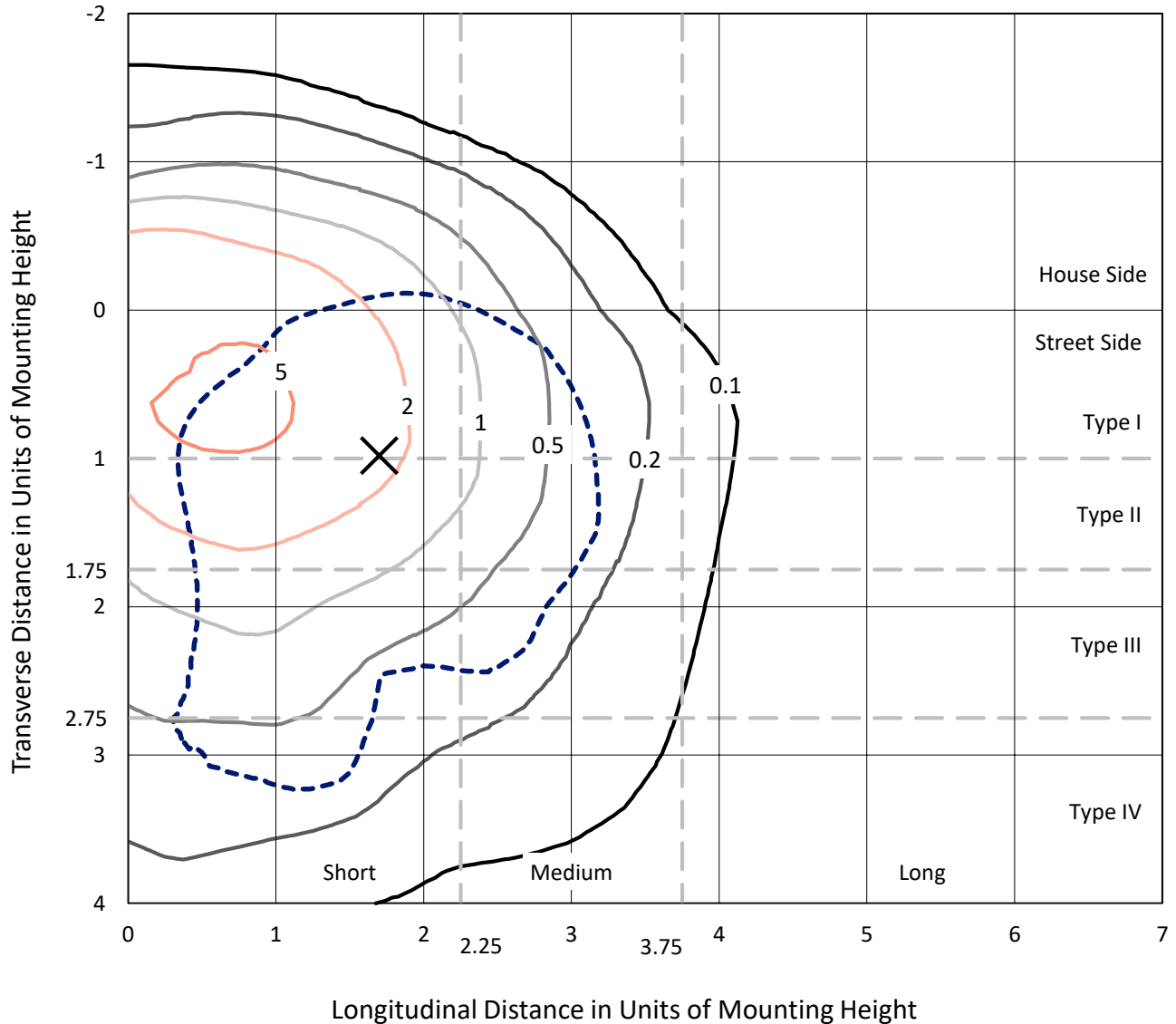
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

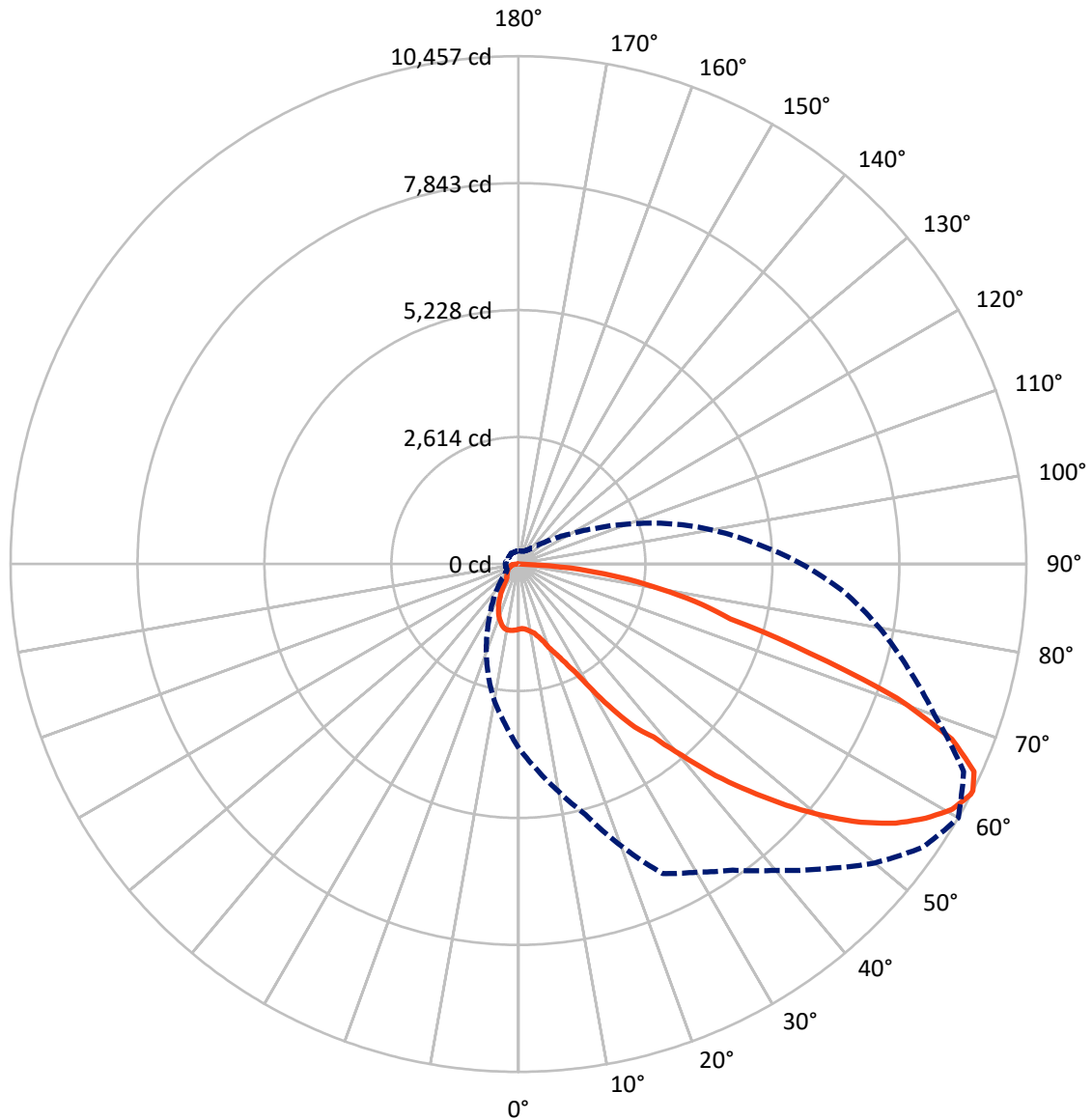
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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	2316.7	0.0	2316.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8367.0	0.0	8367.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	10683.7	0.0	10683.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	1.2
10°-20°	407.0	3.8
20°-30°	723.1	6.8
30°-40°	1138.7	10.7
40°-50°	1675.9	15.7
50°-60°	2226.0	20.8
60°-70°	2452.0	23.0
70°-80°	1538.4	14.4
80°-90°	391.8	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°	10683.7	100.0
0°-180°	10683.7	100.0

Coefficient of Utilization



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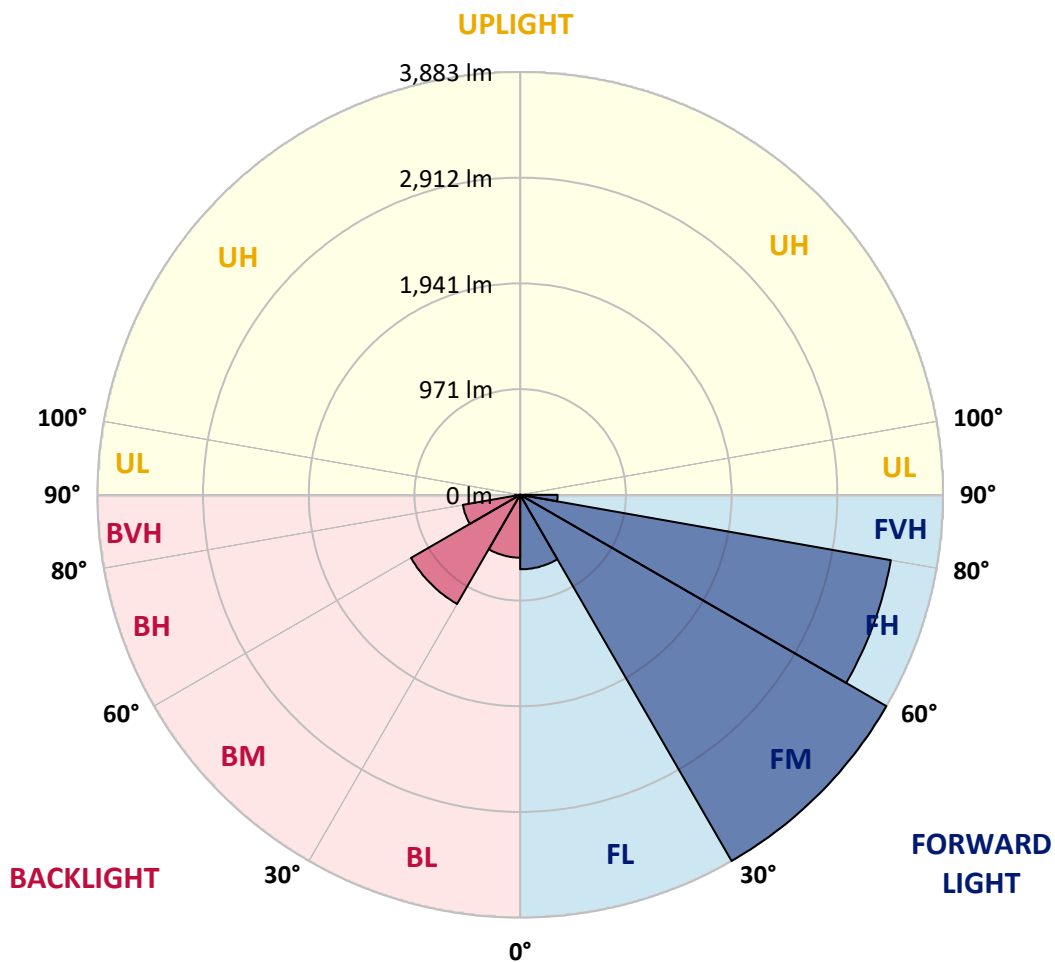
CATALOG NUMBER: ICM-F05-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	684.1	6.4			
FM	(30°-60°)	3882.7	36.3			
FH	(60°-80°)	3456.4	32.4			G2/5000
FVH	(80°-90°)	343.8	3.2			G3/500
BL	(0°-30°)	576.8	5.4	B2/1000		
BM	(30°-60°)	1157.9	10.8	B2/2500		
BH	(60°-80°)	534.0	5.0	B2/1000		G2/1000
BVH	(80°-90°)	48.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
2.5°	1324.7	1327.3	1327.3	1326.0	1326.0	1328.6	1327.3	1326.0	1322.1	1327.3	1327.3
5°	1314.4	1317.0	1317.0	1319.5	1322.1	1324.7	1324.7	1327.3	1326.0	1331.1	1334.9
7.5°	1327.3	1329.8	1334.9	1341.3	1345.1	1354.1	1354.1	1360.6	1363.1	1366.9	1365.7
10°	1343.9	1350.2	1361.8	1372.0	1379.7	1390.0	1397.7	1406.6	1406.6	1410.4	1413.0
12.5°	1373.3	1379.7	1392.6	1405.3	1416.8	1429.7	1441.1	1450.1	1459.1	1461.6	1466.8
15°	1422.0	1429.7	1448.8	1466.8	1480.8	1497.5	1512.8	1530.7	1547.4	1551.3	1553.8
17.5°	1494.9	1510.2	1524.4	1556.4	1576.8	1598.6	1622.9	1648.5	1653.6	1680.5	1686.9
20°	1598.6	1617.8	1630.6	1670.2	1704.8	1732.9	1768.8	1798.2	1809.8	1835.4	1860.9
22.5°	1777.8	1774.0	1793.1	1832.8	1858.4	1914.7	1945.4	1976.2	1991.5	2029.9	2050.4
25°	2018.4	2038.9	2081.1	2084.9	2109.2	2174.5	2214.2	2244.9	2246.2	2257.7	2279.5
27.5°	2255.2	2339.6	2406.2	2442.1	2507.3	2567.5	2564.9	2608.4	2540.6	2554.6	2575.2
30°	2541.9	2682.6	2808.1	2892.6	2959.1	3029.5	3064.0	3088.4	3058.9	3046.2	3021.8
32.5°	2810.6	3007.7	3201.0	3350.7	3474.9	3591.4	3668.2	3702.7	3743.7	3847.4	3884.5
35°	2994.9	3274.0	3514.6	3730.9	3938.3	4123.8	4258.2	4335.0	4305.5	4291.5	4283.8
37.5°	3105.0	3445.5	3746.3	4052.1	4290.2	4567.9	4776.6	4978.8	5024.9	4944.2	4904.6
40°	3174.2	3577.3	3963.8	4324.8	4633.2	4991.6	5250.1	5553.4	5783.8	5814.5	5719.8
42.5°	3207.4	3665.6	4116.1	4524.4	4941.7	5380.7	5708.3	6075.7	6419.9	6656.7	6597.8
45°	3212.5	3723.2	4227.5	4704.9	5201.5	5722.4	6144.8	6551.8	7012.5	7418.3	7429.8
47.5°	3212.5	3766.7	4304.3	4835.5	5434.5	6019.3	6480.1	6961.3	7525.7	8005.7	8152.9
50°	3215.1	3796.1	4375.9	4937.8	5612.3	6270.2	6791.1	7359.4	7953.3	8475.4	8759.6
52.5°	3226.6	3817.9	4432.3	5010.8	5727.5	6446.8	7033.0	7688.3	8279.6	8815.9	9183.2
55°	3252.2	3848.7	4473.2	5055.6	5804.3	6562.0	7208.3	7913.5	8490.8	9034.8	9548.0
57.5°	3323.8	3902.3	4523.1	5095.3	5846.5	6637.5	7331.2	8010.8	8571.4	9138.4	9741.3
60°	3467.2	4016.3	4608.9	5174.6	5917.0	6777.1	7390.1	7945.5	8512.5	9107.7	9784.8
62.5°	3696.3	4194.2	4727.9	5309.0	6117.9	6993.3	7345.3	7751.0	8280.9	8929.8	9629.9
63°	3775.7	4232.6	4754.8	5338.5	6172.9	7033.0	7326.1	7693.4	8233.5	8873.4	9574.8
65°	3997.1	4402.8	4882.8	5486.9	6399.5	7072.7	7176.3	7393.9	7905.9	8552.2	9249.7
67.5°	4410.5	4816.2	5158.0	5737.7	6590.2	6916.5	6711.8	6738.6	7273.6	7943.0	8570.2
70°	4671.6	5155.4	5333.3	5769.7	6555.6	6684.9	6110.2	5754.4	6183.2	6946.0	7495.0
72.5°	4603.7	5159.3	5140.0	5343.6	5864.5	5984.8	5389.6	4829.1	5083.8	5653.2	6009.1
75°	3943.4	4607.6	4466.8	4425.9	4608.9	4688.2	4241.5	4155.8	4477.1	4793.2	4798.4
77.5°	2838.8	3569.6	3404.5	3167.7	3154.9	3338.0	3398.1	3960.0	4434.8	4684.4	4574.4
80°	1808.5	2600.8	2429.2	2015.8	2009.4	2247.5	2776.1	3540.2	4043.2	4182.7	3896.0
82.5°	944.6	1702.2	1767.5	1512.8	1731.7	2125.9	2641.7	2852.9	3043.6	3062.8	2724.9
85°	588.7	1047.0	1231.3	1270.9	1564.0	1885.3	1881.4	1807.2	1722.7	1474.4	1333.7
87.5°	66.5	131.8	199.6	189.4	254.7	357.1	445.4	261.1	183.1	66.5	92.2
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°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
2.5°	1329.8	1331.1	1332.4	1332.4	1338.8	1337.5	1338.8	1341.3	1345.1	1347.7	1350.2
5°	1340.0	1340.0	1345.1	1349.0	1356.7	1361.8	1364.4	1372.0	1381.0	1378.4	1386.1
7.5°	1373.3	1372.0	1377.1	1379.7	1386.1	1395.1	1393.8	1400.2	1407.9	1410.4	1416.8
10°	1418.1	1414.2	1414.2	1411.7	1413.0	1410.4	1410.4	1410.4	1415.5	1414.2	1419.4
12.5°	1464.2	1462.9	1460.4	1452.7	1452.7	1442.4	1437.3	1430.9	1429.7	1420.7	1422.0
15°	1558.9	1558.9	1553.8	1538.4	1525.6	1516.7	1503.9	1494.9	1482.1	1465.5	1456.5
17.5°	1697.1	1679.2	1672.8	1670.2	1649.8	1642.1	1614.0	1584.5	1570.4	1547.4	1534.6
20°	1866.1	1862.2	1836.7	1823.8	1798.2	1762.4	1726.6	1688.2	1665.1	1636.9	1621.6
22.5°	2056.8	2028.7	2015.8	1996.7	1956.9	1916.0	1862.2	1811.1	1775.2	1756.0	1744.5
25°	2279.5	2251.4	2238.5	2212.9	2164.3	2120.8	2054.2	1994.1	1962.1	1930.1	1912.2
27.5°	2575.2	2548.3	2532.9	2466.3	2449.7	2378.1	2296.1	2214.2	2172.0	2124.7	2093.9
30°	3016.7	3018.0	2938.6	2858.0	2774.8	2650.6	2564.9	2472.8	2403.6	2335.8	2268.0
32.5°	3762.9	3572.2	3425.0	3252.2	3071.7	2939.9	2833.7	2723.6	2627.6	2529.0	2416.5
35°	4218.5	4126.4	3935.7	3619.6	3437.8	3277.8	3160.0	3026.9	2909.2	2735.1	2563.6
37.5°	4733.1	4519.3	4287.7	4112.3	3906.3	3720.7	3523.6	3372.5	3169.0	2934.8	2691.6
40°	5484.3	5178.5	4899.4	4663.9	4397.7	4203.2	3983.0	3764.1	3494.1	3154.9	2820.9
42.5°	6268.9	5952.8	5584.1	5278.3	4964.7	4736.9	4464.3	4157.0	3760.3	3340.5	2932.2
45°	7091.9	6669.5	6227.9	5854.3	5527.8	5245.0	4907.1	4500.1	4016.3	3506.9	3035.9
47.5°	7903.3	7418.3	6892.2	6490.4	6065.4	5719.8	5305.1	4790.6	4215.9	3664.3	3139.6
50°	8618.8	8151.6	7518.1	7007.4	6577.3	6151.2	5634.1	5014.6	4373.4	3800.0	3233.0
52.5°	9235.7	8833.8	8167.0	7521.9	7026.6	6547.9	5899.0	5195.1	4532.1	3925.4	3309.8
55°	9688.8	9421.3	8806.9	8007.0	7422.1	6851.3	6123.0	5369.1	4681.9	4025.2	3359.7
57.5°	10030.5	9882.0	9354.8	8464.0	7785.5	7145.6	6354.6	5577.8	4830.4	4111.0	3382.7
60°	10217.4	10258.3	9769.5	8863.2	8106.8	7391.4	6586.4	5755.7	4940.4	4161.0	3370.0
62.5°	10199.4	10450.3	10080.4	9109.0	8293.7	7537.3	6742.5	5838.8	4925.1	4081.6	3253.5
63°	10164.9	10456.7	10114.9	9125.6	8305.3	7542.4	6746.3	5827.4	4893.1	4043.2	3207.4
65°	9866.7	10309.6	10085.6	9050.1	8202.8	7446.4	6665.7	5661.0	4667.7	3837.1	2970.6
67.5°	9068.1	9622.2	9558.2	8516.4	7717.7	7049.6	6253.5	5124.7	4111.0	3330.3	2517.5
70°	7748.4	8269.4	8280.9	7406.7	6739.9	6084.6	5422.9	4169.9	3258.6	2581.5	1877.6
72.5°	5938.7	6274.0	6390.5	5814.5	5367.8	4907.1	4313.2	3026.9	2323.0	1756.0	1222.3
75°	4598.6	4506.5	4505.2	4262.1	4080.3	3855.0	3202.3	2042.7	1525.6	1141.7	747.4
77.5°	4134.1	3724.5	3327.7	3035.9	2890.0	2814.4	2100.3	1231.3	899.7	656.6	430.0
80°	3409.6	2805.5	2266.7	1951.8	1826.4	1913.4	1171.1	665.6	492.7	373.8	279.0
82.5°	2351.2	1951.8	1483.4	1228.7	1054.6	1103.3	599.0	340.5	227.8	208.7	172.7
85°	1224.8	1073.9	906.1	778.1	687.3	604.1	311.0	162.5	94.7	83.2	75.5
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°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
2.5°	1354.1	1352.8	1355.5	1356.7	1360.6	1363.1	1364.4	1361.8	1365.7	1369.5	1366.9
5°	1390.0	1398.9	1400.2	1404.0	1404.0	1411.7	1411.7	1411.7	1410.4	1411.7	1409.1
7.5°	1420.7	1432.2	1433.5	1438.6	1439.9	1448.8	1445.0	1447.5	1447.5	1441.1	1438.6
10°	1424.5	1436.0	1442.4	1448.8	1457.8	1469.3	1469.3	1475.7	1475.7	1470.6	1469.3
12.5°	1425.8	1434.8	1441.1	1450.1	1462.9	1479.5	1488.5	1497.5	1501.3	1500.0	1496.2
15°	1452.7	1452.7	1454.0	1461.6	1470.6	1491.1	1503.9	1514.1	1520.5	1518.0	1511.5
17.5°	1523.1	1512.8	1505.1	1492.4	1494.9	1505.1	1512.8	1521.8	1523.1	1520.5	1510.2
20°	1604.9	1592.2	1573.0	1552.5	1542.2	1534.6	1529.5	1529.5	1525.6	1512.8	1496.2
22.5°	1721.5	1704.8	1678.0	1647.3	1626.7	1602.4	1573.0	1544.8	1514.1	1483.4	1447.5
25°	1882.7	1859.6	1831.5	1784.2	1740.7	1689.5	1629.3	1566.6	1493.6	1429.7	1377.1
27.5°	2045.2	1994.1	1921.1	1855.8	1775.2	1698.4	1612.7	1535.8	1442.4	1365.7	1308.0
30°	2179.6	2082.3	1977.4	1873.8	1767.5	1663.8	1561.5	1469.3	1366.9	1288.8	1232.6
32.5°	2283.4	2148.9	2003.0	1867.4	1736.8	1610.1	1492.4	1390.0	1286.3	1205.7	1145.5
35°	2379.4	2192.5	2006.9	1839.2	1678.0	1546.1	1413.0	1301.7	1191.5	1107.1	1041.9
37.5°	2451.0	2212.9	1983.8	1786.7	1601.1	1454.0	1318.3	1204.4	1091.7	999.6	925.4
40°	2497.0	2200.1	1933.9	1711.2	1510.2	1355.5	1217.2	1099.4	990.6	889.5	799.9
42.5°	2534.2	2183.5	1884.0	1642.1	1438.6	1269.7	1127.5	1000.8	890.8	780.7	682.1
45°	2589.2	2196.3	1862.2	1593.5	1374.6	1196.7	1040.6	908.7	793.5	686.1	591.4
47.5°	2643.0	2202.7	1830.2	1533.3	1294.0	1121.2	962.5	834.5	716.7	618.1	531.2
50°	2691.6	2198.9	1780.3	1456.5	1215.9	1045.7	892.1	764.1	647.6	556.7	474.8
52.5°	2714.6	2177.1	1718.9	1382.2	1153.2	979.1	823.0	698.8	583.6	497.9	422.3
55°	2712.1	2120.8	1638.2	1311.9	1084.1	908.7	755.2	632.3	528.6	449.2	384.0
57.5°	2673.7	2033.8	1552.5	1233.8	993.2	821.7	675.8	556.7	469.7	403.2	348.1
60°	2593.0	1922.4	1439.9	1119.9	879.3	714.1	577.2	474.8	404.5	353.2	317.4
62.5°	2442.1	1762.4	1299.1	961.2	725.7	574.7	455.6	389.1	336.7	305.9	289.2
63°	2397.2	1718.9	1238.9	922.8	689.9	542.7	430.0	360.9	322.5	295.6	280.3
65°	2174.5	1505.1	1036.8	744.9	536.3	418.5	345.6	293.1	270.0	258.5	257.3
67.5°	1761.1	1183.9	733.4	510.7	364.7	302.0	264.9	243.2	232.9	230.4	232.9
70°	1236.4	747.4	465.9	339.2	270.0	243.2	226.5	217.6	211.2	212.5	215.0
72.5°	788.4	448.0	320.0	257.3	227.8	213.8	206.0	203.5	202.2	200.9	200.9
75°	449.2	298.2	245.8	222.7	207.4	195.8	189.4	186.9	188.2	189.4	186.9
77.5°	296.9	245.8	218.9	203.5	189.4	176.7	172.7	171.5	174.0	176.7	176.7
80°	234.2	218.9	203.5	188.2	165.1	156.2	158.7	160.0	158.7	160.0	156.2
82.5°	165.1	162.5	166.4	160.0	136.9	129.3	126.7	128.0	125.4	125.4	122.9
85°	76.8	76.8	80.7	80.7	78.0	79.3	85.8	93.4	97.3	93.4	88.3
87.5°	0.0	0.0	0.0	0.0	0.0	11.5	23.1	33.3	35.8	44.8	43.5
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: P181003

CATALOG NUMBER: ICM-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
2.5°	1363.1	1365.7	1364.4	1363.1	1365.7	1363.1	1364.4	1363.1	1363.1	1361.8	1361.8
5°	1406.6	1410.4	1402.8	1401.5	1398.9	1392.6	1392.6	1390.0	1390.0	1384.8	1381.0
7.5°	1434.8	1436.0	1429.7	1428.4	1422.0	1415.5	1410.4	1405.3	1404.0	1400.2	1392.6
10°	1461.6	1459.1	1454.0	1447.5	1441.1	1432.2	1425.8	1419.4	1418.1	1411.7	1402.8
12.5°	1484.7	1483.4	1473.1	1466.8	1456.5	1447.5	1439.9	1432.2	1428.4	1420.7	1407.9
15°	1500.0	1492.4	1479.5	1468.0	1456.5	1446.2	1437.3	1428.4	1424.5	1415.5	1402.8
17.5°	1493.6	1479.5	1462.9	1448.8	1433.5	1420.7	1413.0	1404.0	1397.7	1392.6	1374.6
20°	1470.6	1450.1	1424.5	1407.9	1387.4	1370.8	1365.7	1356.7	1351.5	1332.4	1309.3
22.5°	1410.4	1381.0	1349.0	1324.7	1301.7	1285.0	1272.2	1263.3	1250.4	1238.9	1203.1
25°	1334.9	1301.7	1268.4	1238.9	1208.2	1182.6	1159.5	1137.9	1131.4	1107.1	1072.6
27.5°	1262.0	1224.8	1191.5	1157.0	1117.3	1085.3	1045.7	1015.0	994.5	968.8	936.8
30°	1183.9	1146.8	1102.0	1055.9	1009.9	975.3	930.5	893.4	867.7	840.8	811.4
32.5°	1085.3	1040.6	986.8	935.6	893.4	852.4	807.6	771.8	746.1	721.9	693.7
35°	972.8	913.9	856.3	799.9	755.2	720.6	680.9	654.1	636.1	614.3	584.9
37.5°	843.4	776.9	715.4	671.9	632.3	599.0	570.8	554.2	535.0	523.4	505.6
40°	712.9	647.6	587.4	547.8	514.5	495.4	480.0	476.1	463.4	448.0	436.5
42.5°	597.7	535.0	476.1	444.1	422.3	417.2	409.6	409.6	403.2	391.6	384.0
45°	519.6	454.3	403.2	380.1	368.7	367.4	363.4	363.4	362.2	357.1	348.1
47.5°	463.4	404.5	364.7	350.7	348.1	345.6	341.8	340.5	339.2	335.4	330.2
50°	412.1	362.2	336.7	330.2	331.5	327.6	323.8	320.0	318.7	314.9	309.8
52.5°	364.7	328.9	312.3	308.5	308.5	308.5	305.9	305.9	303.4	302.0	296.9
55°	337.9	311.0	302.0	300.7	299.5	298.2	295.6	295.6	293.1	291.8	285.4
57.5°	314.9	298.2	293.1	290.5	289.2	286.7	285.4	285.4	285.4	285.4	277.8
60°	296.9	289.2	288.0	285.4	284.1	279.0	276.5	275.2	276.5	277.8	270.0
62.5°	277.8	276.5	275.2	272.7	271.4	266.2	262.4	259.8	262.4	264.9	263.6
63°	272.7	271.4	271.4	270.0	268.7	262.4	258.5	256.0	258.5	261.1	261.1
65°	254.7	256.0	256.0	254.7	253.4	249.6	244.5	241.9	243.2	247.0	248.3
67.5°	235.5	236.7	235.5	236.7	235.5	232.9	229.1	226.5	225.3	226.5	227.8
70°	217.6	220.2	218.9	217.6	216.3	216.3	213.8	209.9	208.7	207.4	207.4
72.5°	202.2	202.2	199.6	199.6	198.4	198.4	195.8	192.0	190.7	190.7	188.2
75°	185.6	185.6	181.8	181.8	179.2	180.5	177.9	174.0	172.7	172.7	171.5
77.5°	175.3	171.5	165.1	163.8	162.5	162.5	161.3	157.4	156.2	156.2	154.9
80°	154.9	147.2	140.7	139.5	140.7	143.3	143.3	140.7	140.7	140.7	140.7
82.5°	120.3	117.8	114.0	111.3	111.3	115.2	120.3	122.9	125.4	128.0	128.0
85°	88.3	89.6	88.3	84.5	83.2	87.1	92.2	97.3	98.5	103.6	102.4
87.5°	47.3	48.7	44.8	43.5	47.3	50.0	55.1	56.3	58.9	60.2	61.4
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: P181003

CATALOG NUMBER: ICM-F05-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
2.5°	1360.6	1359.3	1360.6	1358.0	1358.0	1355.5	1352.8	1351.5	1349.0	1347.7	1345.1
5°	1383.5	1379.7	1375.9	1374.6	1369.5	1364.4	1360.6	1354.1	1349.0	1340.0	1337.5
7.5°	1398.9	1390.0	1384.8	1383.5	1375.9	1372.0	1363.1	1355.5	1347.7	1336.2	1332.4
10°	1405.3	1396.4	1387.4	1383.5	1374.6	1368.2	1359.3	1347.7	1341.3	1329.8	1327.3
12.5°	1413.0	1396.4	1382.2	1372.0	1359.3	1345.1	1336.2	1329.8	1320.8	1314.4	1311.9
15°	1398.9	1377.1	1355.5	1336.2	1315.7	1300.4	1291.4	1281.2	1270.9	1267.1	1267.1
17.5°	1360.6	1332.4	1295.3	1270.9	1249.2	1232.6	1221.0	1210.8	1209.5	1204.4	1207.0
20°	1281.2	1244.1	1208.2	1190.3	1177.5	1167.3	1155.7	1150.6	1146.8	1139.1	1136.6
22.5°	1171.1	1140.4	1114.8	1102.0	1091.7	1079.0	1068.8	1053.3	1049.5	1041.9	1038.0
25°	1049.5	1025.2	1003.4	994.5	988.1	970.1	963.7	943.3	929.2	920.3	925.4
27.5°	927.9	910.0	889.5	878.1	874.1	857.5	851.2	828.1	816.6	816.6	803.7
30°	802.5	785.9	773.0	760.3	757.7	737.2	720.6	711.6	698.8	693.7	684.7
32.5°	684.7	668.1	657.9	651.4	641.2	624.6	607.9	592.6	572.1	564.5	560.6
35°	575.9	563.2	550.3	545.2	531.2	513.2	492.7	480.0	455.6	446.7	442.9
37.5°	492.7	477.4	468.5	454.3	440.3	421.1	405.8	394.2	385.2	381.4	381.4
40°	426.2	414.7	404.5	392.9	381.4	371.2	363.4	360.9	359.6	359.6	362.2
42.5°	376.3	366.0	360.9	354.5	350.7	350.7	349.4	350.7	352.0	353.2	357.1
45°	343.0	336.7	334.0	332.7	335.4	337.9	339.2	341.8	346.9	349.4	350.7
47.5°	325.1	320.0	318.7	320.0	323.8	328.9	334.0	337.9	341.8	343.0	344.3
50°	307.2	300.7	298.2	300.7	305.9	313.6	317.4	323.8	326.3	328.9	326.3
52.5°	291.8	286.7	285.4	285.4	290.5	295.6	300.7	305.9	307.2	307.2	305.9
55°	279.0	275.2	271.4	273.9	277.8	282.9	290.5	294.4	296.9	298.2	298.2
57.5°	268.7	264.9	261.1	263.6	267.5	272.7	280.3	284.1	286.7	290.5	291.8
60°	261.1	256.0	252.1	256.0	259.8	267.5	273.9	277.8	284.1	285.4	285.4
62.5°	253.4	248.3	241.9	245.8	245.8	249.6	256.0	261.1	267.5	270.0	270.0
63°	252.1	247.0	240.7	243.2	243.2	245.8	250.9	256.0	263.6	266.2	264.9
65°	241.9	240.7	234.2	234.2	231.6	234.2	238.0	243.2	247.0	250.9	250.9
67.5°	225.3	224.0	222.7	222.7	222.7	225.3	227.8	231.6	235.5	238.0	236.7
70°	206.0	206.0	206.0	207.4	207.4	209.9	211.2	209.9	213.8	216.3	215.0
72.5°	189.4	188.2	186.9	189.4	188.2	188.2	190.7	189.4	193.3	193.3	194.5
75°	171.5	170.2	170.2	171.5	168.9	166.4	167.6	167.6	168.9	168.9	171.5
77.5°	156.2	156.2	156.2	154.9	152.3	151.1	149.8	149.8	149.8	149.8	151.1
80°	142.0	142.0	142.0	140.7	138.2	135.6	133.1	131.8	130.5	124.2	124.2
82.5°	128.0	128.0	128.0	128.0	126.7	124.2	120.3	110.0	104.9	99.8	101.1
85°	101.1	103.6	106.2	110.0	108.7	108.7	101.1	88.3	80.7	75.5	76.8
87.5°	65.3	57.6	57.6	56.3	53.8	51.2	51.2	43.5	35.8	32.0	33.3
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: P181003
 CATALOG NUMBER: ICM-F05-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	0°
2.5°	1345.1	1342.6	1340.0	1340.0	1336.2	1336.2	1333.7	1338.8	1333.7	1329.8	1329.8	2.5°
5°	1334.9	1332.4	1324.7	1323.4	1318.3	1318.3	1318.3	1315.7	1315.7	1313.1	1311.9	5°
7.5°	1328.6	1322.1	1315.7	1311.9	1311.9	1309.3	1314.4	1311.9	1313.1	1313.1	1314.4	7.5°
10°	1323.4	1318.3	1315.7	1314.4	1314.4	1318.3	1322.1	1323.4	1322.1	1323.4	1323.4	10°
12.5°	1310.6	1313.1	1314.4	1319.5	1326.0	1333.7	1342.6	1343.9	1346.4	1346.4	1349.0	12.5°
15°	1269.7	1276.0	1283.7	1296.6	1313.1	1329.8	1346.4	1360.6	1373.3	1379.7	1384.8	15°
17.5°	1212.1	1218.4	1232.6	1246.6	1268.4	1292.7	1320.8	1345.1	1372.0	1396.4	1420.7	17.5°
20°	1134.0	1144.2	1148.1	1173.7	1199.3	1232.6	1265.8	1304.2	1350.2	1396.4	1443.7	20°
22.5°	1032.8	1044.4	1062.3	1082.8	1109.7	1150.6	1190.3	1250.4	1311.9	1377.1	1451.4	22.5°
25°	920.3	933.0	948.4	970.1	997.0	1040.6	1098.1	1162.1	1237.7	1323.4	1415.5	25°
27.5°	803.7	816.6	829.4	844.7	875.4	921.5	989.4	1055.9	1139.1	1232.6	1340.0	27.5°
30°	687.3	688.6	696.3	715.4	747.4	807.6	857.5	940.7	1027.7	1126.3	1250.4	30°
32.5°	559.4	558.0	567.0	583.6	614.3	671.9	733.4	814.1	899.7	1023.9	1151.9	32.5°
35°	445.4	445.4	462.0	478.7	513.2	554.2	607.9	679.6	780.7	895.9	1023.9	35°
37.5°	385.2	394.2	404.5	421.1	448.0	480.0	527.4	590.1	669.4	779.4	897.2	37.5°
40°	366.0	371.2	380.1	395.4	418.5	448.0	482.5	529.9	591.4	679.6	787.2	40°
42.5°	358.3	359.6	364.7	376.3	396.7	426.2	462.0	504.3	550.3	613.0	706.5	42.5°
45°	350.7	349.4	352.0	360.9	377.6	410.9	451.8	497.9	543.9	596.5	673.2	45°
47.5°	344.3	344.3	344.3	348.1	363.4	396.7	444.1	497.9	552.9	611.8	687.3	47.5°
50°	326.3	325.1	325.1	327.6	339.2	375.0	431.4	496.6	568.3	645.0	730.8	50°
52.5°	305.9	305.9	307.2	308.5	318.7	354.5	417.2	496.6	586.2	688.6	796.1	52.5°
55°	299.5	300.7	302.0	300.7	308.5	339.2	401.9	488.9	593.9	723.2	866.5	55°
57.5°	294.4	296.9	296.9	295.6	300.7	326.3	386.5	473.6	587.4	735.9	916.4	57.5°
60°	286.7	286.7	286.7	282.9	285.4	308.5	363.4	449.2	567.0	724.4	924.1	60°
62.5°	270.0	270.0	267.5	266.2	264.9	282.9	332.7	413.4	529.9	693.7	904.8	62.5°
63°	266.2	264.9	264.9	261.1	261.1	277.8	326.3	408.3	519.6	686.1	897.2	63°
65°	252.1	252.1	252.1	249.6	248.3	261.1	300.7	372.5	480.0	650.1	858.8	65°
67.5°	236.7	238.0	235.5	234.2	232.9	240.7	271.4	327.6	418.5	574.7	787.2	67.5°
70°	215.0	216.3	216.3	215.0	213.8	218.9	238.0	281.6	346.9	478.7	670.7	70°
72.5°	195.8	198.4	198.4	200.9	200.9	204.7	212.5	234.2	277.8	373.8	527.4	72.5°
75°	175.3	176.7	179.2	181.8	179.2	177.9	179.2	195.8	217.6	276.5	376.3	75°
77.5°	157.4	161.3	161.3	160.0	156.2	153.6	153.6	161.3	179.2	209.9	268.7	77.5°
80°	130.5	136.9	138.2	134.4	130.5	130.5	133.1	138.2	149.8	172.7	203.5	80°
82.5°	104.9	111.3	112.7	114.0	112.7	116.5	116.5	117.8	124.2	142.0	166.4	82.5°
85°	80.7	85.8	89.6	90.9	92.2	93.4	92.2	85.8	89.6	101.1	112.7	85°
87.5°	35.8	37.1	34.5	35.8	34.5	35.8	37.1	30.7	29.4	39.7	40.9	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: P181003

NUMBER: ICM-F05-LED-E1-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1342.6	1342.6	1342.6	1342.6	1342.6	1342.6	1342.6
1328.6	1328.6	1329.8	1327.3	1327.3	1328.6	1324.7
1308.0	1313.1	1313.1	1313.1	1310.6	1313.1	1314.4
1313.1	1317.0	1319.5	1319.5	1318.3	1323.4	1327.3
1319.5	1326.0	1328.6	1328.6	1328.6	1334.9	1343.9
1343.9	1349.0	1352.8	1352.8	1355.5	1363.1	1373.3
1388.7	1395.1	1395.1	1393.8	1401.5	1410.4	1422.0
1438.6	1456.5	1465.5	1464.2	1470.6	1482.1	1494.9
1486.0	1535.8	1557.6	1573.0	1579.4	1594.7	1598.6
1525.6	1608.8	1668.9	1720.2	1744.5	1759.8	1777.8
1511.5	1624.2	1731.7	1836.7	1910.9	1986.4	2018.4
1454.0	1594.7	1735.5	1889.1	2023.5	2157.9	2255.2
1383.5	1552.5	1742.0	1959.5	2172.0	2378.1	2541.9
1302.9	1512.8	1756.0	2024.8	2303.8	2573.9	2810.6
1201.8	1437.3	1721.5	2031.2	2360.1	2687.7	2994.9
1073.9	1334.9	1640.8	1985.1	2362.7	2737.7	3105.0
945.9	1205.7	1538.4	1918.5	2329.4	2749.2	3174.2
856.3	1090.4	1434.8	1834.1	2275.6	2731.3	3207.4
794.8	1007.3	1342.6	1757.3	2218.1	2699.3	3212.5
789.7	971.4	1282.4	1700.9	2172.0	2671.2	3212.5
833.2	990.6	1262.0	1672.8	2152.8	2662.2	3215.1
915.2	1067.4	1299.1	1694.6	2168.1	2673.7	3226.6
1013.7	1183.9	1398.9	1770.1	2233.4	2712.1	3252.2
1103.3	1318.3	1569.1	1916.0	2352.5	2809.3	3323.8
1155.7	1433.5	1749.6	2120.8	2555.9	3002.6	3467.2
1162.1	1497.5	1909.6	2343.5	2803.0	3224.0	3696.3
1157.0	1502.6	1930.1	2385.7	2855.5	3279.1	3775.7
1128.8	1503.9	1987.6	2534.2	3037.2	3510.7	3997.1
1057.2	1462.9	2008.1	2650.6	3266.3	3815.4	4410.5
933.0	1346.4	1948.0	2653.2	3354.6	3985.6	4671.6
750.1	1125.0	1688.2	2413.9	3121.7	3817.9	4603.7
549.1	826.8	1276.0	1870.0	2547.0	3178.0	3943.4
364.7	535.0	860.1	1332.4	1826.4	2287.2	2838.8
250.9	331.5	503.0	801.2	1117.3	1341.3	1808.5
184.3	218.9	279.0	409.6	537.6	661.7	944.6
115.2	125.4	139.5	202.2	289.2	390.3	588.7
30.7	32.0	29.4	39.7	62.7	60.2	66.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)