

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: P181096

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181096
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-SLR-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
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

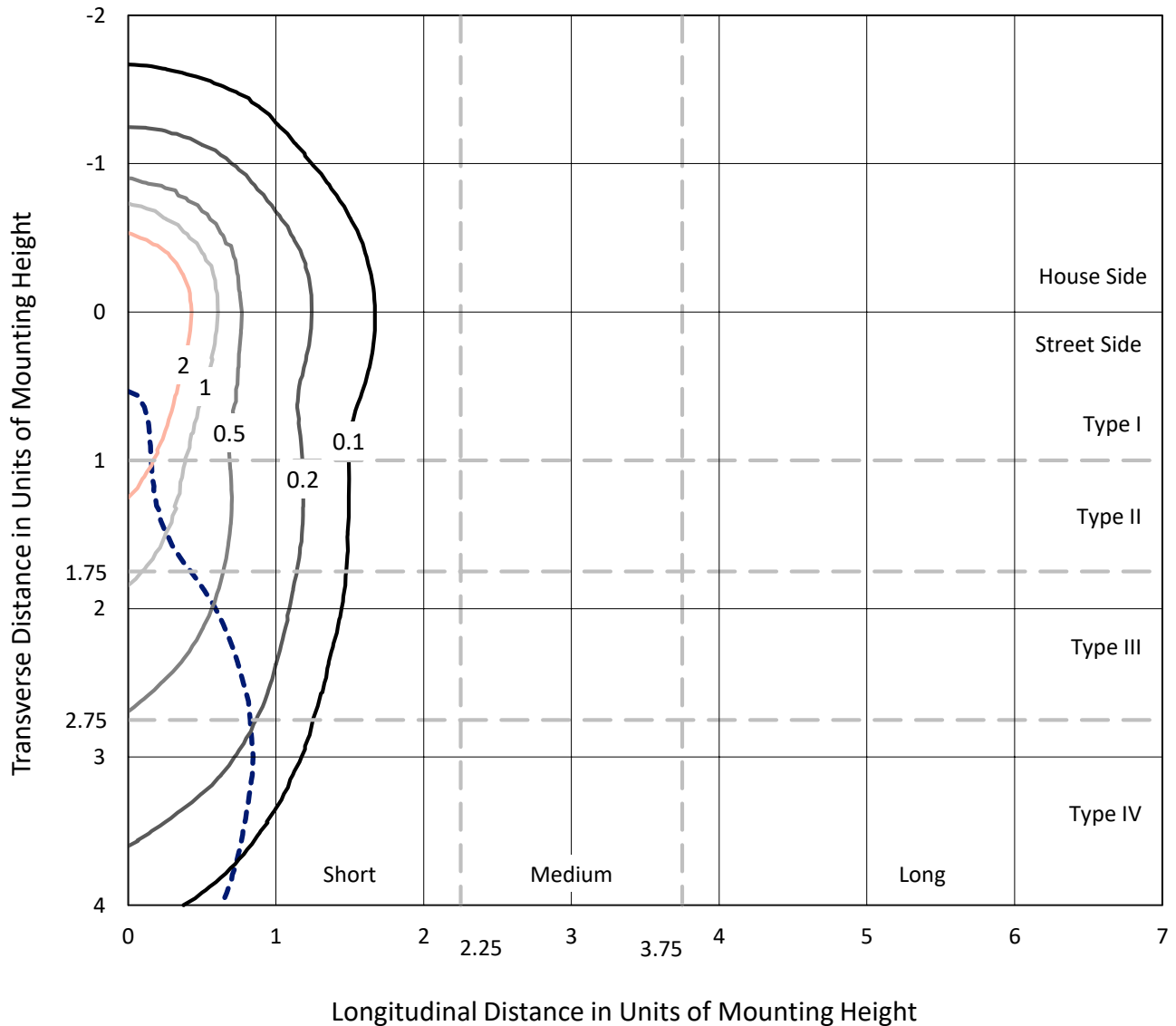
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

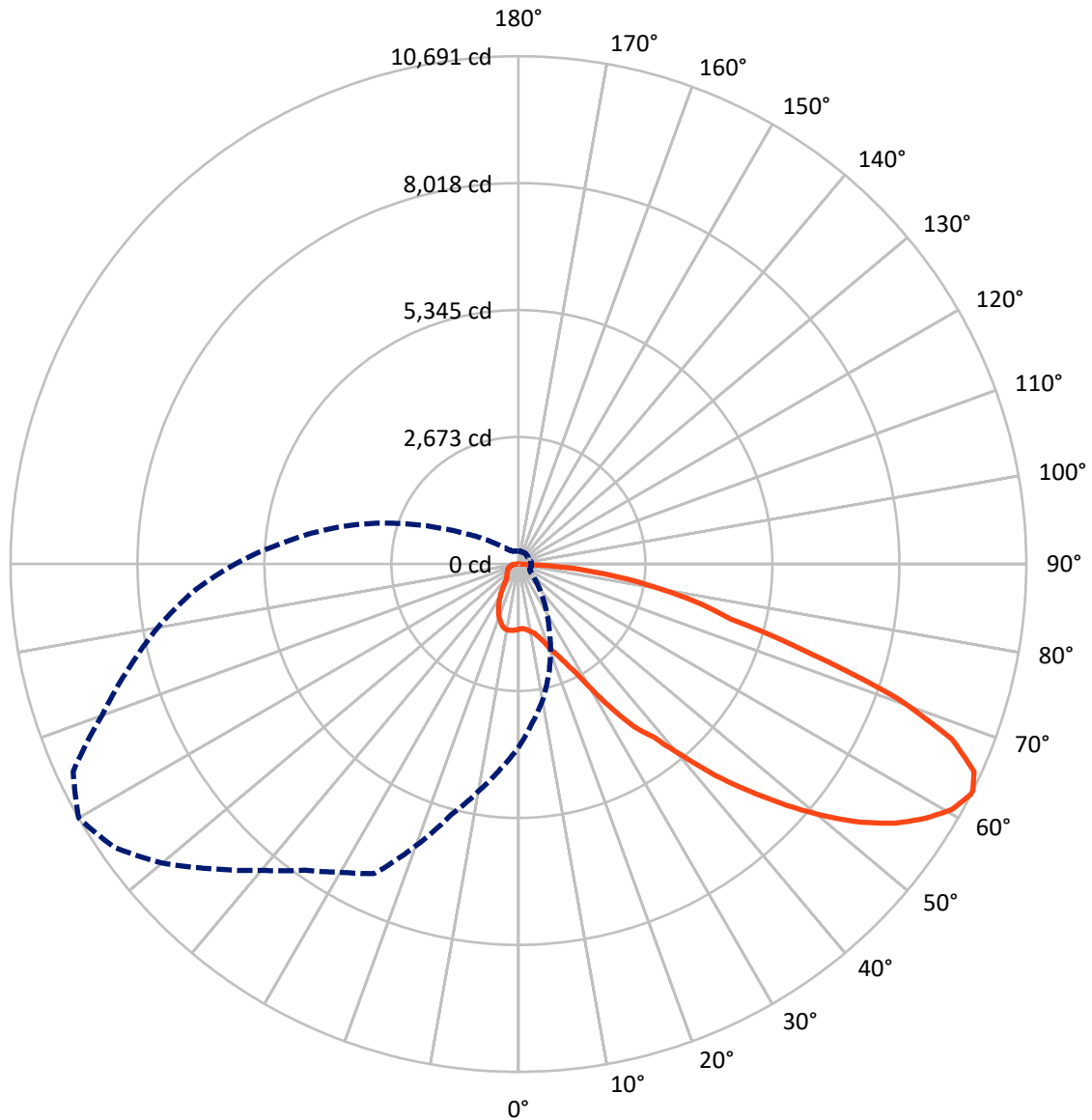
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-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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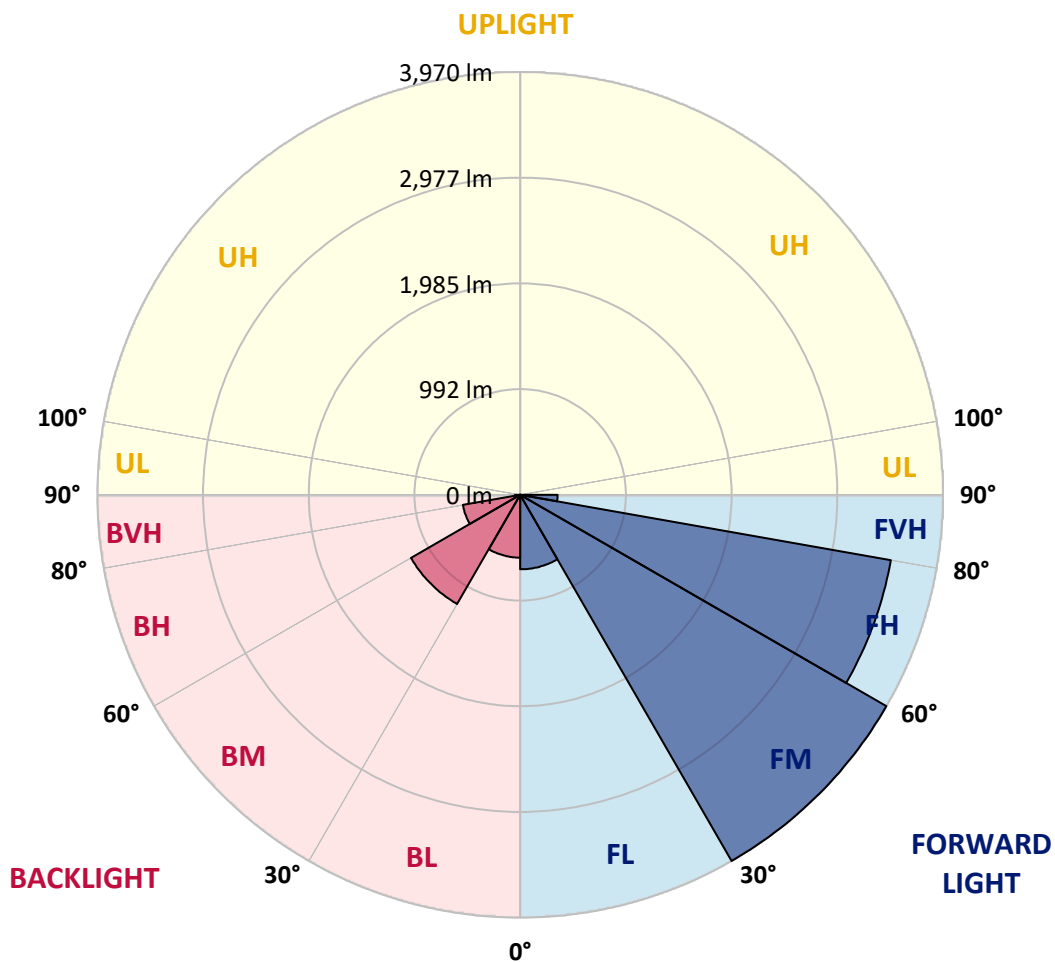
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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	1358.2	1356.9	1356.9	1359.5	1358.2	1358.2	1359.5	1359.5	1363.5	1368.8
5°	1343.8	1342.5	1339.9	1342.5	1342.5	1342.5	1337.3	1341.2	1342.5	1345.1	1345.1
7.5°	1356.9	1353.0	1347.8	1349.1	1349.1	1346.4	1342.5	1343.8	1342.5	1342.5	1341.2
10°	1374.0	1364.8	1358.2	1358.2	1358.2	1355.6	1349.1	1353.0	1353.0	1351.7	1353.0
12.5°	1404.0	1393.6	1385.7	1383.1	1383.1	1379.2	1374.0	1379.2	1376.6	1376.6	1374.0
15°	1453.8	1442.0	1432.8	1424.9	1426.3	1426.3	1419.7	1415.8	1410.6	1404.0	1391.0
17.5°	1528.4	1515.3	1503.5	1496.9	1498.2	1489.1	1470.8	1452.5	1427.6	1402.7	1375.3
20°	1634.3	1630.4	1614.7	1608.2	1592.5	1570.2	1519.2	1476.0	1427.6	1380.5	1333.4
22.5°	1817.5	1799.2	1783.5	1758.6	1706.3	1644.8	1559.7	1483.8	1408.0	1341.2	1278.4
25°	2063.5	2030.8	1953.6	1877.7	1770.4	1660.5	1545.4	1447.3	1353.0	1265.3	1188.1
27.5°	2305.6	2206.2	2068.8	1931.4	1774.3	1630.4	1486.5	1370.1	1260.1	1164.6	1079.5
30°	2598.7	2431.3	2220.6	2003.4	1780.9	1587.3	1414.5	1278.4	1151.5	1050.7	961.8
32.5°	2873.5	2631.5	2355.4	2070.1	1795.3	1546.7	1332.1	1177.7	1046.8	919.9	832.2
35°	3062.0	2747.9	2412.9	2076.7	1759.9	1469.5	1228.7	1046.8	916.0	798.2	694.8
37.5°	3174.4	2798.9	2415.5	2029.5	1677.5	1364.8	1097.9	917.3	796.9	684.4	603.3
40°	3245.1	2810.7	2381.5	1961.5	1572.8	1232.7	967.0	804.7	694.8	604.6	541.8
42.5°	3279.2	2792.4	2326.5	1875.1	1466.9	1114.9	875.4	722.3	626.8	562.7	515.5
45°	3284.4	2759.6	2267.6	1796.6	1372.7	1029.8	812.6	688.3	609.8	556.1	509.0
47.5°	3284.4	2730.9	2220.6	1739.0	1311.2	993.1	807.4	702.7	625.5	565.3	509.0
50°	3287.0	2721.7	2200.9	1710.2	1290.2	1012.8	851.8	747.2	659.5	581.0	507.7
52.5°	3298.8	2733.5	2216.7	1732.5	1328.2	1091.3	935.6	813.9	704.0	599.3	507.7
55°	3325.0	2772.8	2283.4	1809.7	1430.2	1210.4	1036.4	885.9	739.4	607.2	499.8
57.5°	3398.3	2872.2	2405.0	1958.9	1604.3	1347.8	1127.9	936.9	752.4	600.7	484.2
60°	3544.8	3069.8	2613.1	2168.2	1788.8	1465.5	1181.6	944.7	740.7	579.6	459.3
62.5°	3779.0	3296.2	2865.7	2395.9	1952.3	1531.0	1188.1	925.1	709.2	541.8	422.6
63°	3860.1	3352.4	2919.3	2439.1	1973.2	1536.2	1182.9	917.3	701.4	531.3	417.4
65°	4086.5	3589.2	3105.1	2590.9	2032.1	1537.5	1154.1	878.1	664.7	490.7	380.7
67.5°	4509.1	3900.7	3339.4	2710.0	2053.0	1495.6	1080.8	804.7	587.5	427.9	335.0
70°	4776.1	4074.7	3429.6	2712.6	1991.5	1376.6	953.9	685.7	489.4	354.6	287.9
72.5°	4706.7	3903.3	3191.5	2467.8	1726.0	1150.1	766.8	539.1	382.0	283.9	239.4
75°	4031.6	3249.0	2603.9	1911.7	1304.6	845.3	561.4	384.7	282.6	222.4	200.2
77.5°	2902.3	2338.3	1867.3	1362.1	879.4	547.0	372.9	274.8	214.6	183.2	164.8
80°	1848.9	1371.4	1142.3	819.2	514.2	338.9	256.5	208.1	176.7	153.1	141.3
82.5°	965.7	676.5	549.6	418.7	285.3	223.7	188.5	170.1	145.2	126.9	120.4
85°	602.0	399.1	295.7	206.8	142.6	128.3	117.8	115.2	103.3	91.6	87.6
87.5°	68.0	61.5	64.1	40.6	30.1	32.7	31.4	41.9	40.6	30.1	31.4
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°	1363.5	1366.1	1366.1	1370.1	1370.1	1372.7	1375.3	1375.3	1377.9	1379.2	1381.8
5°	1347.8	1347.8	1347.8	1353.0	1354.3	1362.1	1364.8	1367.5	1370.1	1379.2	1384.4
7.5°	1343.8	1338.6	1341.2	1341.2	1345.1	1351.7	1358.2	1362.1	1366.1	1377.9	1385.7
10°	1351.7	1347.8	1343.8	1343.8	1345.1	1347.8	1353.0	1356.9	1359.5	1371.4	1377.9
12.5°	1372.7	1363.5	1355.6	1349.1	1343.8	1342.5	1339.9	1341.2	1343.8	1350.4	1359.5
15°	1376.6	1359.5	1342.5	1325.5	1312.5	1304.6	1298.1	1295.4	1295.4	1299.4	1309.9
17.5°	1350.4	1321.6	1296.8	1274.5	1260.1	1245.7	1239.2	1234.0	1231.4	1236.6	1237.9
20°	1294.1	1260.1	1226.1	1199.9	1173.8	1169.8	1159.4	1162.0	1164.6	1172.5	1176.4
22.5°	1216.9	1176.4	1134.5	1107.0	1086.1	1067.7	1056.0	1061.2	1065.1	1073.0	1076.9
25°	1122.7	1063.8	1019.4	991.8	969.6	953.9	940.8	946.1	940.8	950.0	964.4
27.5°	1011.4	942.1	895.0	863.6	847.9	834.8	821.8	821.8	834.8	834.8	846.6
30°	876.7	825.7	764.2	731.4	711.8	704.0	702.7	700.1	709.2	714.4	727.5
32.5°	749.8	687.0	628.1	596.7	579.6	570.5	571.8	573.1	577.0	584.9	605.9
35°	621.6	566.6	524.7	489.4	472.4	455.4	455.4	452.7	456.7	465.9	490.7
37.5°	539.1	490.7	458.0	430.5	413.5	403.0	393.9	390.0	390.0	393.9	403.0
40°	493.3	458.0	427.9	404.4	388.7	379.4	374.2	370.3	367.7	367.7	369.0
42.5°	472.4	435.7	405.7	384.7	372.9	367.7	366.4	365.1	361.1	359.8	358.5
45°	461.9	420.0	386.0	369.0	359.8	357.2	358.5	358.5	357.2	354.6	349.4
47.5°	454.0	405.7	371.6	355.9	352.0	352.0	352.0	352.0	350.7	349.4	345.5
50°	440.9	383.4	346.8	335.0	332.4	332.4	333.7	333.7	336.3	333.7	331.1
52.5°	426.6	362.4	325.9	315.4	314.0	312.7	312.7	312.7	314.0	314.0	312.7
55°	410.9	346.8	315.4	307.5	308.8	307.5	306.2	304.8	304.8	303.5	300.9
57.5°	395.2	333.7	307.5	302.2	303.5	303.5	300.9	298.3	297.0	293.1	290.5
60°	371.6	315.4	291.8	289.2	293.1	293.1	293.1	291.8	291.8	290.5	283.9
62.5°	340.2	289.2	270.9	272.2	273.5	276.1	276.1	276.1	276.1	273.5	267.0
63°	333.7	283.9	267.0	267.0	270.9	270.9	272.2	270.9	272.2	269.6	261.7
65°	307.5	267.0	253.9	255.2	257.8	257.8	257.8	256.5	256.5	252.6	248.7
67.5°	277.4	246.0	238.1	239.4	240.7	243.4	242.0	242.0	243.4	240.7	236.8
70°	243.4	223.7	218.5	219.8	221.1	221.1	219.8	219.8	221.1	218.5	214.6
72.5°	217.2	209.4	205.4	205.4	202.8	202.8	200.2	198.9	197.6	197.6	193.7
75°	183.2	181.9	183.2	185.8	183.2	180.6	179.3	175.3	172.7	172.7	171.4
77.5°	157.0	157.0	159.6	163.5	164.8	164.8	160.9	154.4	153.1	153.1	153.1
80°	136.1	133.5	133.5	137.4	141.3	140.0	133.5	126.9	126.9	133.5	134.8
82.5°	119.1	119.1	115.2	116.5	115.2	113.9	107.3	103.3	102.0	107.3	112.6
85°	94.2	95.5	94.2	92.9	91.6	87.6	82.4	78.5	77.2	82.4	90.3
87.5°	38.0	36.7	35.3	36.7	35.3	38.0	36.7	34.0	32.7	36.7	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



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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°	1383.1	1385.7	1388.4	1388.4	1391.0	1389.7	1391.0	1392.3	1392.3	1393.6	1393.6
5°	1391.0	1394.9	1400.1	1405.3	1406.7	1410.6	1414.5	1411.9	1415.8	1421.0	1421.0
7.5°	1393.6	1402.7	1406.7	1414.5	1415.8	1421.0	1430.2	1423.6	1431.5	1435.5	1436.8
10°	1389.7	1398.8	1405.3	1414.5	1418.4	1427.6	1436.8	1434.1	1443.3	1449.9	1451.2
12.5°	1366.1	1375.3	1389.7	1402.7	1413.2	1427.6	1444.6	1439.4	1452.5	1460.3	1464.2
15°	1320.3	1329.5	1345.1	1366.1	1385.7	1408.0	1430.2	1434.1	1447.3	1456.4	1460.3
17.5°	1248.3	1260.1	1277.1	1299.4	1324.2	1362.1	1391.0	1405.3	1423.6	1428.9	1435.5
20°	1181.6	1193.4	1203.8	1216.9	1235.3	1271.9	1309.9	1338.6	1362.1	1381.8	1387.1
22.5°	1092.7	1103.1	1116.2	1126.6	1139.7	1165.9	1197.3	1230.1	1266.6	1278.4	1291.5
25°	985.3	991.8	1010.1	1016.8	1025.9	1048.1	1073.0	1096.6	1131.9	1156.8	1163.3
27.5°	870.1	876.7	893.7	897.7	909.4	930.3	948.7	957.9	990.5	1016.8	1037.7
30°	736.7	753.7	774.6	777.3	790.3	803.4	820.5	829.6	859.7	887.2	913.3
32.5°	621.6	638.5	655.5	666.1	672.6	683.1	700.1	709.2	738.1	762.9	789.0
35°	503.8	524.7	543.1	557.4	562.7	575.7	588.8	598.0	628.1	650.3	668.7
37.5°	414.8	430.5	450.1	464.6	478.9	488.1	503.8	516.8	535.2	547.0	566.6
40°	371.6	379.4	390.0	401.7	413.5	424.0	435.7	446.2	458.0	473.7	486.8
42.5°	357.2	358.5	358.5	362.4	369.0	374.2	384.7	392.6	400.4	412.2	418.7
45°	346.8	345.5	342.8	340.2	341.5	344.1	350.7	355.9	365.1	370.3	371.6
47.5°	341.5	336.3	331.1	327.2	325.9	327.2	332.4	337.6	342.8	346.8	348.1
50°	324.5	320.6	312.7	307.5	304.8	307.5	314.0	316.7	321.9	325.9	327.2
52.5°	307.5	302.2	297.0	291.8	291.8	293.1	298.3	303.5	308.8	310.1	312.7
55°	297.0	289.2	283.9	280.0	277.4	281.3	285.3	291.8	298.3	299.6	302.2
57.5°	286.6	278.7	273.5	269.6	267.0	270.9	274.8	283.9	291.8	291.8	291.8
60°	280.0	273.5	265.7	261.7	257.8	261.7	267.0	276.1	283.9	282.6	281.3
62.5°	261.7	255.2	251.3	251.3	247.4	253.9	259.1	269.6	270.9	268.3	265.7
63°	256.5	251.3	248.7	248.7	246.0	252.6	257.8	267.0	267.0	264.3	261.7
65°	243.4	239.4	236.8	239.4	239.4	246.0	247.4	253.9	252.6	248.7	247.4
67.5°	232.9	230.3	227.7	227.7	227.7	229.0	230.3	232.9	231.6	230.3	231.6
70°	215.9	214.6	212.0	212.0	210.7	210.7	210.7	212.0	212.0	213.3	214.6
72.5°	195.0	192.4	192.4	193.7	191.1	192.4	193.7	192.4	195.0	195.0	196.3
75°	171.4	170.1	172.7	175.3	174.0	174.0	175.3	175.3	176.7	176.7	178.0
77.5°	153.1	154.4	155.7	158.3	159.6	159.6	159.6	158.3	159.6	159.6	160.9
80°	136.1	138.7	141.3	143.9	145.2	145.2	145.2	143.9	143.9	143.9	143.9
82.5°	123.0	126.9	129.6	130.9	130.9	130.9	130.9	130.9	130.9	128.3	125.6
85°	103.3	111.3	111.3	112.6	108.7	106.0	103.3	104.7	106.0	100.7	99.4
87.5°	52.4	52.4	55.0	57.6	58.9	58.9	66.7	62.8	61.5	60.2	57.6
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-E05-LED-E1-SLR-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°	1394.9	1393.6	1396.2	1393.6	1394.9	1396.2	1393.6	1397.5	1400.1	1396.2	1392.3
5°	1423.6	1423.6	1430.2	1432.8	1434.1	1442.0	1438.1	1440.7	1443.3	1442.0	1443.3
7.5°	1442.0	1447.3	1453.8	1460.3	1461.6	1468.2	1466.9	1470.8	1473.4	1479.9	1479.9
10°	1457.7	1464.2	1473.4	1479.9	1486.5	1491.7	1494.3	1502.1	1503.5	1508.8	1508.8
12.5°	1472.1	1479.9	1489.1	1499.5	1506.1	1516.6	1517.9	1529.7	1533.6	1534.9	1531.0
15°	1469.5	1478.6	1489.1	1500.8	1512.7	1525.8	1533.6	1545.4	1551.9	1554.5	1548.0
17.5°	1444.6	1452.5	1465.5	1481.2	1495.6	1512.7	1527.1	1544.0	1554.5	1557.1	1555.8
20°	1396.2	1401.4	1418.4	1439.4	1456.4	1482.5	1503.5	1529.7	1546.7	1559.7	1563.6
22.5°	1300.7	1313.8	1330.8	1354.3	1379.2	1411.9	1442.0	1479.9	1516.6	1548.0	1579.4
25°	1185.5	1209.0	1235.3	1266.6	1296.8	1330.8	1364.8	1408.0	1461.6	1527.1	1601.6
27.5°	1069.0	1109.6	1142.3	1182.9	1218.2	1252.3	1290.2	1337.3	1396.2	1474.7	1570.2
30°	951.3	997.1	1032.4	1079.5	1126.6	1172.5	1210.4	1260.1	1317.7	1397.5	1502.1
32.5°	825.7	871.4	913.3	956.6	1008.8	1063.8	1109.6	1171.2	1232.7	1315.1	1421.0
35°	696.1	736.7	772.0	817.9	875.4	934.2	994.5	1065.1	1131.9	1218.2	1330.8
37.5°	583.6	612.4	646.4	687.0	731.4	794.2	862.3	946.1	1022.0	1116.2	1231.4
40°	490.7	506.4	526.0	560.0	600.7	662.1	728.8	817.9	909.4	1012.8	1124.0
42.5°	418.7	426.6	431.8	454.0	486.8	547.0	611.1	697.4	798.2	910.7	1023.3
45°	371.6	375.5	376.8	388.7	412.2	464.6	531.3	604.6	701.4	811.3	929.0
47.5°	349.4	353.3	355.9	358.5	372.9	413.5	473.7	543.1	632.0	732.7	853.1
50°	331.1	335.0	338.9	337.6	344.1	370.3	421.3	485.5	569.2	662.1	781.2
52.5°	312.7	315.4	315.4	315.4	319.3	336.3	372.9	431.8	509.0	596.7	714.4
55°	302.2	304.8	306.2	307.5	308.8	318.0	345.5	392.6	459.3	540.4	646.4
57.5°	291.8	293.1	295.7	297.0	299.6	304.8	321.9	355.9	412.2	480.2	569.2
60°	282.6	285.3	290.5	291.8	294.4	295.7	303.5	324.5	361.1	413.5	485.5
62.5°	268.3	272.2	277.4	278.7	281.3	282.6	283.9	295.7	312.7	344.1	397.8
63°	264.3	268.3	274.8	276.1	277.4	277.4	278.7	286.6	302.2	329.8	369.0
65°	250.0	255.2	259.1	260.4	261.7	261.7	260.4	263.0	264.3	276.1	299.6
67.5°	234.2	238.1	240.7	242.0	240.7	242.0	240.7	238.1	235.5	238.1	248.7
70°	218.5	221.1	221.1	222.4	223.7	225.0	222.4	219.8	217.2	215.9	222.4
72.5°	200.2	202.8	202.8	204.1	204.1	206.8	206.8	205.4	205.4	206.8	208.1
75°	181.9	184.5	183.2	185.8	185.8	189.8	189.8	191.1	193.7	192.4	191.1
77.5°	164.8	166.1	166.1	167.5	168.8	175.3	179.3	180.6	180.6	178.0	175.3
80°	146.5	146.5	143.9	142.6	143.9	150.5	158.3	159.6	163.5	162.2	163.5
82.5°	123.0	117.8	113.9	113.9	116.5	120.4	123.0	125.6	128.3	128.3	130.9
85°	94.2	89.0	85.0	86.3	90.3	91.6	90.3	90.3	95.5	99.4	95.5
87.5°	56.3	51.1	48.4	44.5	45.8	49.8	48.4	44.5	45.8	36.7	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-SLR-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°	1394.9	1393.6	1391.0	1387.1	1385.7	1383.1	1384.4	1380.5	1377.9	1375.3	1371.4
5°	1443.3	1443.3	1435.5	1435.5	1431.5	1430.2	1421.0	1417.1	1409.3	1411.9	1402.7
7.5°	1477.3	1481.2	1472.1	1470.8	1465.5	1464.2	1452.5	1448.6	1442.0	1439.4	1431.5
10°	1502.1	1502.1	1490.4	1481.2	1474.7	1468.2	1456.4	1451.2	1445.9	1447.3	1442.0
12.5°	1521.8	1512.7	1495.6	1482.5	1473.4	1466.9	1457.7	1453.8	1452.5	1461.6	1462.9
15°	1537.5	1524.4	1503.5	1494.3	1486.5	1485.1	1485.1	1489.1	1498.2	1515.3	1528.4
17.5°	1546.7	1538.8	1528.4	1525.8	1538.8	1546.7	1557.1	1568.9	1582.0	1605.6	1619.9
20°	1563.6	1568.9	1576.8	1587.3	1608.2	1627.8	1640.8	1657.9	1673.6	1702.4	1726.0
22.5°	1608.2	1638.2	1663.2	1684.1	1715.5	1743.0	1759.9	1783.5	1795.3	1814.9	1851.5
25°	1665.8	1727.3	1779.5	1824.1	1872.5	1901.3	1924.8	1954.9	1973.2	2006.0	2038.7
27.5°	1648.8	1736.4	1814.9	1897.3	1964.1	2038.7	2091.0	2140.8	2172.1	2220.6	2263.7
30°	1596.4	1701.0	1807.1	1915.6	2021.7	2128.9	2228.4	2318.7	2388.0	2457.4	2528.1
32.5°	1525.8	1646.1	1775.6	1909.1	2047.8	2197.0	2334.4	2470.5	2585.6	2686.4	2784.6
35°	1444.6	1580.7	1715.5	1880.4	2051.7	2241.5	2432.6	2620.9	2796.3	2974.3	3094.6
37.5°	1347.8	1486.5	1636.9	1826.7	2028.2	2262.4	2505.8	2751.8	3000.5	3239.9	3447.9
40°	1244.4	1385.7	1544.0	1749.5	1977.2	2249.3	2552.9	2884.0	3225.5	3572.3	3848.4
42.5°	1152.8	1298.1	1470.8	1678.8	1926.2	2232.3	2590.9	2997.8	3415.3	3844.4	4250.1
45°	1063.8	1223.4	1405.3	1629.1	1903.9	2245.4	2647.2	3103.8	3585.3	4106.2	4600.8
47.5°	984.0	1146.2	1322.9	1567.6	1871.2	2251.9	2702.1	3209.8	3746.3	4310.3	4897.8
50°	912.0	1069.0	1243.1	1489.1	1820.2	2248.0	2751.8	3305.3	3885.0	4471.2	5126.8
52.5°	841.4	1001.0	1179.0	1413.2	1757.3	2225.8	2775.4	3383.8	4013.2	4633.5	5311.3
55°	772.0	929.0	1108.3	1341.2	1674.9	2168.2	2772.8	3434.9	4115.3	4786.5	5489.2
57.5°	690.9	840.1	1015.4	1261.4	1587.3	2079.3	2733.5	3458.4	4203.0	4938.4	5702.5
60°	590.1	730.1	899.0	1144.9	1472.1	1965.4	2651.1	3445.3	4254.0	5050.9	5884.4
62.5°	465.9	587.5	742.0	982.7	1328.2	1801.9	2496.7	3326.3	4172.9	5035.2	5969.4
63°	439.6	554.8	705.3	943.4	1266.6	1757.3	2450.9	3279.2	4133.6	5002.4	5957.7
65°	353.3	427.9	548.3	761.6	1059.9	1538.8	2223.2	3037.0	3922.9	4772.2	5787.6
67.5°	270.9	308.8	372.9	522.1	749.8	1210.4	1800.6	2573.9	3404.8	4203.0	5239.3
70°	231.6	248.7	276.1	346.8	476.3	764.2	1264.0	1919.6	2639.3	3331.5	4263.2
72.5°	210.7	218.5	232.9	263.0	327.2	458.0	806.1	1249.7	1795.3	2375.0	3094.6
75°	193.7	200.2	212.0	227.7	251.3	304.8	459.3	764.2	1167.2	1559.7	2088.4
77.5°	176.7	180.6	193.7	208.1	223.7	251.3	303.5	439.6	671.3	919.9	1258.8
80°	162.2	159.6	168.8	192.4	208.1	223.7	239.4	285.3	382.0	503.8	680.5
82.5°	129.6	132.2	140.0	163.5	170.1	166.1	168.8	176.7	213.3	232.9	348.1
85°	87.6	81.1	79.8	82.4	82.4	78.5	78.5	77.2	85.0	96.8	166.1
87.5°	23.5	11.8	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



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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°	1368.8	1367.5	1368.8	1362.1	1362.1	1360.8	1359.5	1356.9	1356.9	1351.7	1355.6	2.5°
5°	1394.9	1392.3	1387.1	1379.2	1375.3	1370.1	1370.1	1364.8	1360.8	1355.6	1356.9	5°
7.5°	1424.9	1426.3	1417.1	1410.6	1408.0	1402.7	1404.0	1396.2	1397.5	1393.6	1391.0	7.5°
10°	1442.0	1442.0	1444.6	1443.3	1445.9	1445.9	1449.9	1444.6	1442.0	1438.1	1438.1	10°
12.5°	1469.5	1474.7	1485.1	1485.1	1493.0	1495.6	1496.9	1499.5	1494.3	1491.7	1482.5	12.5°
15°	1537.5	1550.6	1559.7	1572.8	1588.6	1593.8	1593.8	1588.6	1586.0	1582.0	1565.0	15°
17.5°	1650.1	1678.8	1686.7	1707.6	1710.2	1716.8	1735.1	1724.7	1718.1	1690.6	1685.4	17.5°
20°	1765.2	1801.9	1838.4	1864.7	1877.7	1903.9	1907.8	1902.6	1876.4	1850.2	1838.4	20°
22.5°	1903.9	1958.9	2000.8	2041.3	2060.9	2074.0	2102.8	2096.3	2075.3	2036.0	2020.4	22.5°
25°	2100.2	2168.2	2212.7	2262.4	2288.6	2301.7	2330.4	2330.4	2308.2	2296.5	2295.2	25°
27.5°	2347.5	2431.3	2504.5	2521.5	2589.6	2605.2	2632.8	2632.8	2611.8	2597.4	2666.8	27.5°
30°	2622.2	2710.0	2836.9	2922.0	3004.4	3085.5	3084.2	3089.4	3114.3	3127.4	3157.5	30°
32.5°	2897.0	3005.7	3140.5	3325.0	3501.6	3652.1	3847.1	3971.4	3933.4	3827.5	3785.5	32.5°
35°	3230.7	3351.1	3514.7	3700.5	4023.7	4218.6	4312.9	4379.7	4387.5	4401.9	4431.9	35°
37.5°	3602.3	3803.8	3993.6	4204.3	4383.6	4620.4	4838.9	5014.3	5054.8	5137.2	5090.2	37.5°
40°	4072.1	4297.1	4496.1	4768.2	5009.1	5294.3	5607.0	5847.8	5944.6	5913.2	5677.7	40°
42.5°	4564.1	4842.8	5075.8	5396.3	5709.1	6085.9	6409.2	6745.4	6805.6	6563.6	6211.6	42.5°
45°	5016.9	5362.4	5651.5	5985.2	6367.3	6818.7	7250.6	7596.0	7584.2	7169.3	6698.3	45°
47.5°	5423.8	5847.8	6201.1	6635.5	7046.4	7584.2	8080.1	8335.3	8184.8	7694.1	7117.1	47.5°
50°	5760.1	6288.8	6724.5	7164.1	7686.3	8334.0	8811.6	8955.5	8665.0	8131.1	7524.0	50°
52.5°	6031.0	6694.4	7183.8	7690.2	8349.6	9031.4	9442.3	9388.6	9013.1	8464.8	7860.3	52.5°
55°	6259.9	7004.5	7588.1	8186.1	9004.0	9632.1	9905.5	9761.5	9236.9	8680.7	8090.6	55°
57.5°	6496.8	7305.4	7959.8	8653.3	9564.0	10103.1	10254.9	9959.1	9342.8	8763.1	8190.0	57.5°
60°	6733.6	7556.7	8288.1	9061.5	9988.0	10487.8	10445.9	10003.7	9311.4	8702.9	8123.3	60°
62.5°	6893.3	7705.9	8479.2	9312.7	10305.9	10684.1	10427.6	9845.3	9129.5	8466.1	7924.4	62.5°
63°	6897.3	7711.1	8491.0	9329.7	10341.3	10690.6	10392.2	9789.1	9072.0	8417.7	7865.5	63°
65°	6814.7	7613.0	8386.3	9252.5	10311.1	10540.2	10087.4	9456.7	8743.5	8082.7	7559.3	65°
67.5°	6393.4	7207.3	7890.4	8706.9	9772.1	9837.5	9270.8	8761.8	8120.7	7436.3	6889.3	67.5°
70°	5544.2	6220.7	6890.6	7572.4	8466.1	8454.4	7921.8	7662.7	7101.3	6321.4	5883.1	70°
72.5°	4409.7	5016.9	5487.9	5944.6	6533.4	6414.4	6071.6	6143.5	5779.8	5197.4	4937.1	72.5°
75°	3273.9	3941.2	4171.6	4357.3	4606.0	4607.3	4701.5	4905.6	4900.4	4577.2	4248.8	75°
77.5°	2147.3	2877.4	2954.6	3103.8	3402.2	3807.8	4226.5	4676.7	4789.1	4534.0	4048.6	77.5°
80°	1197.3	1956.2	1867.3	1995.5	2317.4	2868.3	3485.9	3983.1	4276.2	4133.6	3619.4	80°
82.5°	612.4	1127.9	1078.2	1256.2	1516.6	1995.5	2403.7	2785.9	3131.3	3111.6	2916.7	82.5°
85°	318.0	617.6	702.7	795.5	926.4	1097.9	1252.3	1363.5	1507.5	1761.3	1847.6	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	0.0	94.2	68.0	187.2	267.0	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°



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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
1356.9	1358.2	1355.6	1355.6	1356.9	1356.9	1354.3
1354.3	1354.3	1351.7	1349.1	1346.4	1346.4	1343.8
1384.4	1384.4	1375.3	1371.4	1364.8	1359.5	1356.9
1428.9	1421.0	1410.6	1402.7	1392.3	1380.5	1374.0
1473.4	1461.6	1448.6	1436.8	1423.6	1410.6	1404.0
1546.7	1531.0	1514.0	1499.5	1481.2	1461.6	1453.8
1659.2	1634.3	1612.1	1591.2	1558.4	1544.0	1528.4
1808.4	1771.7	1743.0	1707.6	1667.1	1654.0	1634.3
1988.9	1957.6	1900.0	1873.8	1833.2	1813.6	1817.5
2263.7	2223.2	2156.5	2131.5	2127.6	2084.5	2063.5
2622.2	2624.9	2563.4	2496.7	2460.0	2392.0	2305.6
3132.6	3097.2	3025.3	2957.2	2870.9	2742.6	2598.7
3750.3	3671.7	3552.7	3425.7	3272.6	3075.0	2873.5
4353.4	4216.0	4026.4	3814.3	3593.2	3347.2	3062.0
4883.4	4670.1	4386.2	4142.8	3830.1	3522.5	3174.4
5367.6	5103.2	4736.9	4421.5	4052.5	3657.3	3245.1
5836.0	5501.1	5052.2	4625.6	4208.2	3747.7	3279.2
6282.2	5850.4	5317.8	4810.2	4322.1	3806.4	3284.4
6625.1	6154.0	5555.9	4943.6	4400.6	3851.0	3284.4
6943.0	6410.5	5737.9	5048.3	4473.8	3881.0	3287.0
7190.4	6591.0	5855.7	5122.8	4531.4	3903.3	3298.8
7369.6	6708.8	5934.2	5168.7	4573.2	3934.7	3325.0
7495.2	6786.0	5977.3	5209.2	4624.3	3989.7	3398.3
7555.4	6928.6	6049.3	5290.4	4712.0	4106.2	3544.8
7509.6	7149.7	6254.7	5427.8	4833.7	4288.0	3779.0
7490.0	7190.4	6311.0	5457.8	4861.1	4327.3	3860.1
7336.9	7230.9	6542.6	5609.6	4992.0	4501.3	4086.5
6861.9	7071.2	6737.5	5866.1	5273.3	4923.9	4509.1
6246.9	6834.4	6702.3	5898.8	5452.6	5270.7	4776.1
5510.2	6118.6	5995.7	5463.1	5255.0	5274.6	4706.7
4336.4	4793.1	4712.0	4524.9	4566.7	4710.6	4031.6
3474.2	3412.6	3225.5	3238.6	3480.7	3649.5	2902.3
2838.2	2297.8	2054.3	2060.9	2483.6	2658.9	1848.9
2700.8	2173.4	1770.4	1546.7	1807.1	1740.3	965.7
1923.5	1927.5	1599.0	1299.4	1258.8	1070.3	602.0
455.4	365.1	260.4	193.7	204.1	134.8	68.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)