

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: P180986

Luminaire Tested: **ICM-E04-LED-E1-SLL-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180986  
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-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (84) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8738.2 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

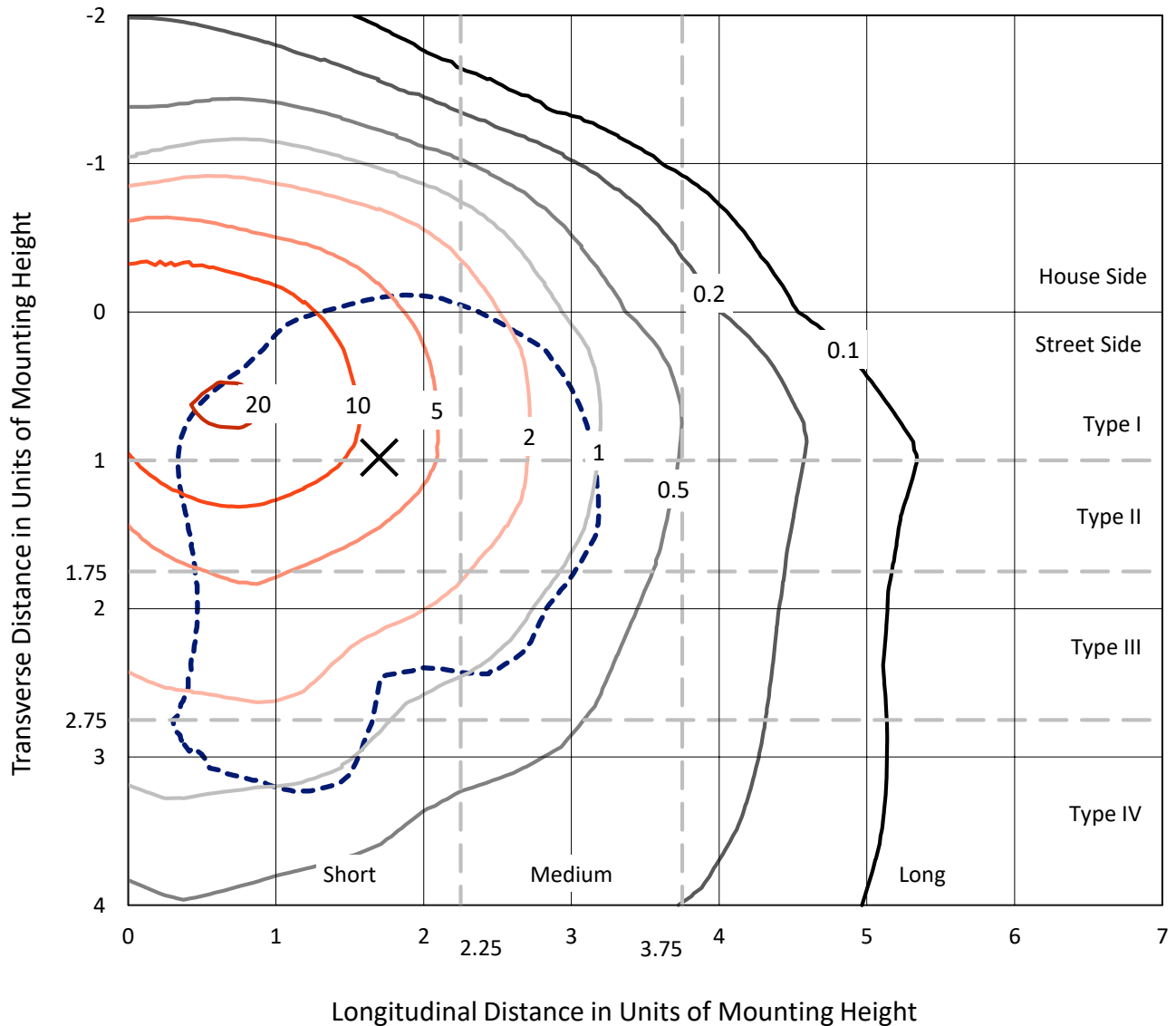
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

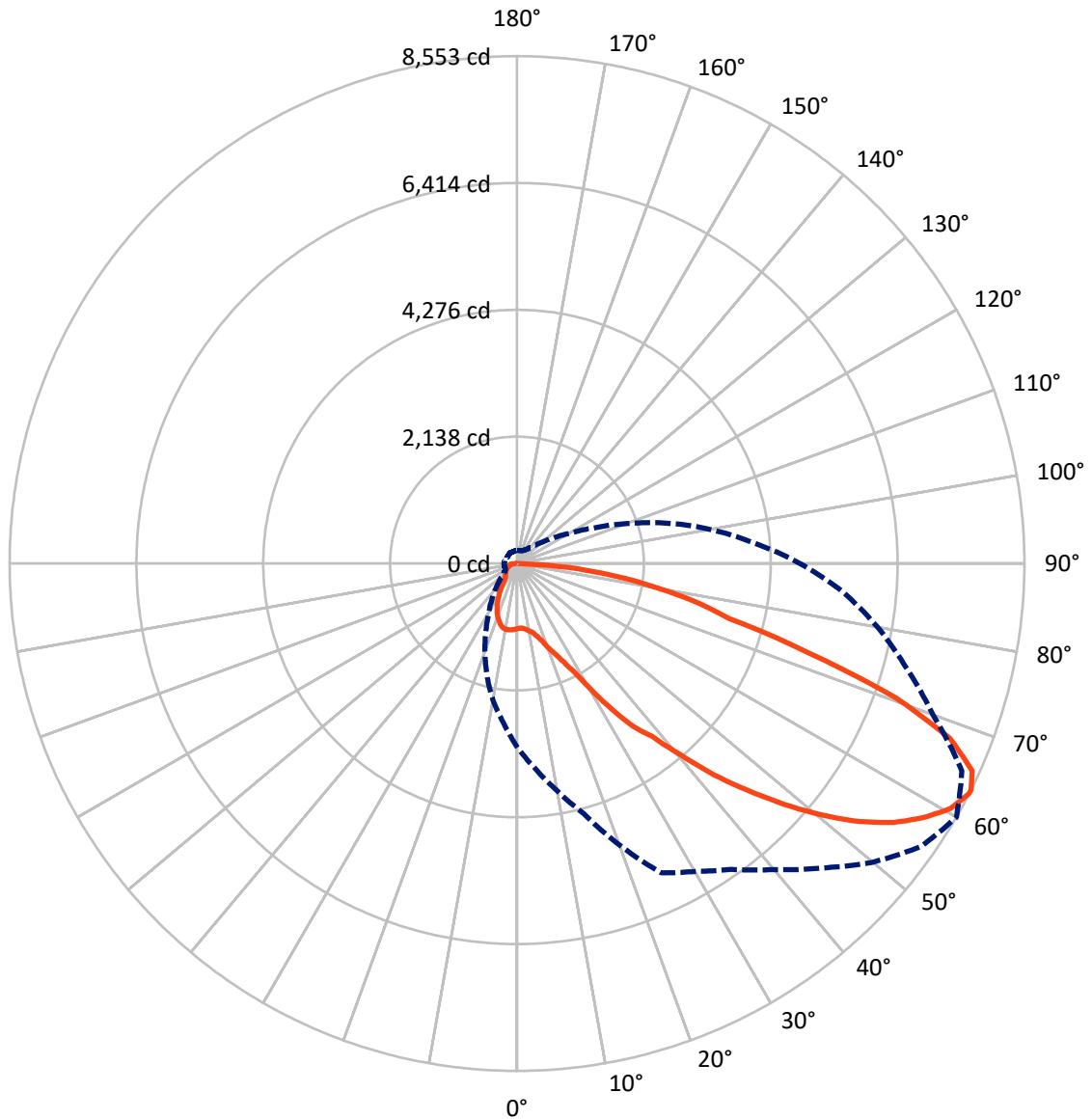
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 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
<b>House Side</b>	Lumens	1894.8	0.0	1894.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6843.3	0.0	6843.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8738.2	0.0	8738.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	1.2
10°-20°	332.9	3.8
20°-30°	591.4	6.8
30°-40°	931.4	10.7
40°-50°	1370.7	15.7
50°-60°	1820.7	20.8
60°-70°	2005.5	23.0
70°-80°	1258.2	14.4
80°-90°	320.5	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°	8738.2	100.0
0°-180°	8738.2	100.0



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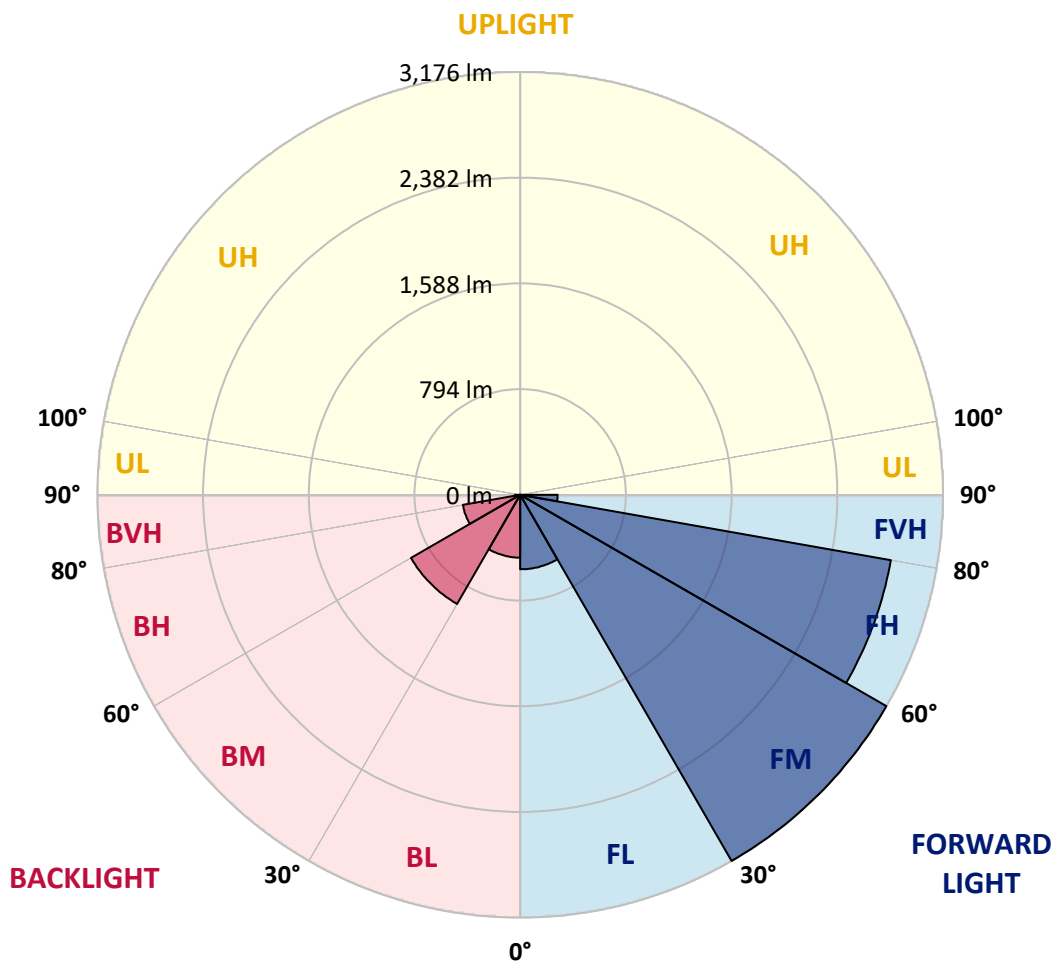
CATALOG NUMBER: ICM-E04-LED-E1-SLL-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.5	6.4			
FM (30°-60°)	3175.7	36.3			
FH (60°-80°)	2826.9	32.4			G2/5000
FVH (80°-90°)	281.2	3.2			G3/500
BL (0°-30°)	471.7	5.4	B1/500		
BM (30°-60°)	947.1	10.8	B1/1000		
BH (60°-80°)	436.8	5.0	B1/500		G1/500
BVH (80°-90°)	39.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1083.4	1085.6	1085.6	1084.5	1084.5	1086.6	1085.6	1084.5	1081.4	1085.6	1085.6
5°	1075.1	1077.2	1077.2	1079.3	1081.4	1083.4	1083.4	1085.6	1084.5	1088.7	1091.8
7.5°	1085.6	1087.6	1091.8	1097.0	1100.2	1107.5	1107.5	1112.8	1114.9	1118.0	1116.9
10°	1099.2	1104.4	1113.8	1122.1	1128.5	1136.8	1143.2	1150.4	1150.4	1153.6	1155.7
12.5°	1123.3	1128.5	1138.9	1149.4	1158.8	1169.3	1178.7	1186.1	1193.4	1195.4	1199.6
15°	1163.0	1169.3	1185.0	1199.6	1211.2	1224.8	1237.3	1252.0	1265.6	1268.8	1270.8
17.5°	1222.7	1235.3	1246.8	1272.9	1289.7	1307.4	1327.4	1348.3	1352.5	1374.4	1379.7
20°	1307.4	1323.2	1333.7	1366.1	1394.3	1417.4	1446.7	1470.8	1480.2	1501.1	1522.1
22.5°	1454.1	1450.9	1466.6	1499.1	1520.0	1566.1	1591.2	1616.3	1628.8	1660.3	1677.0
25°	1650.8	1667.5	1702.1	1705.2	1725.1	1778.5	1811.0	1836.1	1837.1	1846.6	1864.4
27.5°	1844.5	1913.6	1968.0	1997.3	2050.7	2099.9	2097.8	2133.4	2078.0	2089.4	2106.2
30°	2079.0	2194.2	2296.8	2365.8	2420.2	2477.8	2506.1	2526.0	2501.9	2491.5	2471.6
32.5°	2298.8	2460.0	2618.1	2740.6	2842.1	2937.4	3000.2	3028.5	3062.0	3146.7	3177.0
35°	2449.6	2677.8	2874.5	3051.5	3221.0	3372.9	3482.7	3545.6	3521.5	3510.0	3503.7
37.5°	2539.6	2818.1	3064.0	3314.3	3509.0	3736.1	3906.7	4072.1	4109.8	4043.8	4011.4
40°	2596.1	2925.9	3242.0	3537.2	3789.5	4082.6	4294.1	4542.2	4730.5	4755.7	4678.3
42.5°	2623.4	2998.1	3366.5	3700.5	4041.8	4400.9	4668.8	4969.2	5250.8	5444.5	5396.3
45°	2627.6	3045.2	3457.6	3848.1	4254.3	4680.3	5025.8	5358.6	5735.5	6067.4	6076.8
47.5°	2627.6	3080.8	3520.5	3954.9	4444.8	4923.2	5300.0	5693.6	6155.3	6547.9	6668.2
50°	2629.6	3104.9	3579.1	4038.6	4590.3	5128.3	5554.5	6019.2	6504.9	6932.0	7164.4
52.5°	2639.0	3122.6	3625.1	4098.3	4684.5	5272.8	5752.2	6288.2	6771.9	7210.5	7510.9
55°	2659.9	3147.7	3658.6	4134.9	4747.3	5367.0	5895.7	6472.5	6944.6	7389.4	7809.3
57.5°	2718.6	3191.7	3699.5	4167.4	4781.9	5428.8	5996.1	6552.0	7010.6	7474.3	7967.3
60°	2835.8	3285.0	3769.6	4232.3	4839.5	5542.9	6044.3	6498.6	6962.4	7449.2	8002.9
62.5°	3023.2	3430.4	3866.9	4342.2	5003.8	5719.8	6007.7	6339.5	6772.9	7303.7	7876.2
63°	3088.1	3461.8	3889.0	4366.3	5048.8	5752.2	5991.9	6292.4	6734.2	7257.6	7831.2
65°	3269.2	3601.0	3993.6	4487.7	5234.1	5784.7	5869.5	6047.5	6466.2	6994.8	7565.3
67.5°	3607.4	3939.2	4218.6	4692.9	5390.1	5657.0	5489.5	5511.5	5949.1	6496.5	7009.5
70°	3820.9	4216.6	4362.1	4719.0	5361.8	5467.6	4997.5	4706.4	5057.1	5681.1	6130.2
72.5°	3765.4	4219.7	4204.0	4370.4	4796.5	4894.9	4408.1	3949.6	4158.0	4623.7	4914.8
75°	3225.2	3768.6	3653.4	3619.9	3769.6	3834.5	3469.1	3399.0	3661.8	3920.3	3924.5
77.5°	2321.9	2919.6	2784.6	2590.9	2580.4	2730.1	2779.3	3238.8	3627.2	3831.4	3741.3
80°	1479.2	2127.2	1986.9	1648.8	1643.5	1838.2	2270.5	2895.5	3306.9	3421.0	3186.5
82.5°	772.6	1392.3	1445.7	1237.3	1416.4	1738.8	2160.7	2333.3	2489.3	2505.0	2228.7
85°	481.5	856.3	1007.1	1039.4	1279.2	1542.0	1538.8	1478.1	1409.0	1206.0	1090.8
87.5°	54.4	107.8	163.3	154.9	208.3	292.1	364.3	213.6	149.7	54.4	75.3
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°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1087.6	1088.7	1089.8	1089.8	1095.0	1094.0	1095.0	1097.0	1100.2	1102.3	1104.4
5°	1096.0	1096.0	1100.2	1103.4	1109.6	1113.8	1115.9	1122.1	1129.5	1127.4	1133.7
7.5°	1123.3	1122.1	1126.3	1128.5	1133.7	1141.0	1140.0	1145.2	1151.5	1153.6	1158.8
10°	1159.9	1156.8	1156.8	1154.6	1155.7	1153.6	1153.6	1153.6	1157.8	1156.8	1160.9
12.5°	1197.6	1196.5	1194.4	1188.1	1188.1	1179.7	1175.5	1170.3	1169.3	1162.0	1163.0
15°	1275.0	1275.0	1270.8	1258.2	1247.8	1240.5	1230.1	1222.7	1212.2	1198.6	1191.3
17.5°	1388.1	1373.4	1368.2	1366.1	1349.3	1343.1	1320.0	1295.9	1284.5	1265.6	1255.2
20°	1526.2	1523.1	1502.1	1491.7	1470.8	1441.5	1412.2	1380.8	1361.9	1338.9	1326.3
22.5°	1682.2	1659.2	1648.8	1633.0	1600.6	1567.1	1523.1	1481.2	1451.9	1436.2	1426.8
25°	1864.4	1841.3	1830.9	1810.0	1770.2	1734.6	1680.1	1631.0	1604.8	1578.6	1563.9
27.5°	2106.2	2084.2	2071.6	2017.2	2003.6	1944.9	1878.0	1811.0	1776.5	1737.7	1712.6
30°	2467.4	2468.4	2403.5	2337.5	2269.5	2167.9	2097.8	2022.4	1966.0	1910.4	1855.0
32.5°	3077.6	2921.7	2801.3	2659.9	2512.4	2404.6	2317.7	2227.6	2149.1	2068.5	1976.4
35°	3450.3	3374.9	3219.0	2960.4	2811.7	2680.9	2584.6	2475.7	2379.5	2237.0	2096.8
37.5°	3871.1	3696.3	3506.8	3363.5	3194.9	3043.1	2881.9	2758.3	2591.9	2400.4	2201.5
40°	4485.6	4235.4	4007.2	3814.6	3596.9	3437.8	3257.7	3078.7	2857.8	2580.4	2307.2
42.5°	5127.3	4868.8	4567.3	4317.0	4060.6	3874.3	3651.3	3400.0	3075.6	2732.2	2398.2
45°	5800.4	5454.9	5093.8	4788.1	4521.2	4289.9	4013.5	3680.6	3285.0	2868.3	2483.1
47.5°	6464.1	6067.4	5637.2	5308.4	4960.9	4678.3	4339.1	3918.3	3448.2	2997.0	2567.8
50°	7049.3	6667.2	6149.0	5731.3	5379.6	5031.0	4608.1	4101.4	3577.0	3108.0	2644.3
52.5°	7553.8	7225.2	6679.8	6152.1	5747.0	5355.5	4824.8	4249.0	3706.8	3210.6	2707.1
55°	7924.4	7705.6	7203.1	6548.9	6070.5	5603.6	5007.9	4391.4	3829.2	3292.2	2747.9
57.5°	8203.9	8082.5	7651.2	6922.6	6367.8	5844.4	5197.4	4562.0	3950.7	3362.3	2766.7
60°	8356.7	8390.2	7990.4	7249.2	6630.6	6045.3	5386.9	4707.6	4040.7	3403.2	2756.3
62.5°	8342.1	8547.2	8244.7	7450.2	6783.4	6164.7	5514.6	4775.6	4028.1	3338.3	2661.0
63°	8313.8	8552.5	8273.0	7463.8	6792.8	6168.9	5517.8	4766.2	4002.0	3306.9	2623.4
65°	8069.9	8432.1	8248.9	7402.0	6709.1	6090.4	5451.8	4630.1	3817.7	3138.3	2429.7
67.5°	7416.7	7870.0	7817.6	6965.5	6312.3	5765.9	5114.7	4191.5	3362.3	2723.8	2059.1
70°	6337.4	6763.5	6772.9	6057.9	5512.5	4976.6	4435.4	3410.5	2665.2	2111.5	1535.6
72.5°	4857.2	5131.5	5226.7	4755.7	4390.4	4013.5	3527.7	2475.7	1900.0	1436.2	999.7
75°	3761.2	3685.9	3684.8	3485.9	3337.2	3153.0	2619.2	1670.7	1247.8	933.8	611.4
77.5°	3381.2	3046.3	2721.7	2483.1	2363.7	2302.0	1717.9	1007.1	735.9	537.0	351.7
80°	2788.8	2294.6	1853.9	1596.4	1493.8	1565.0	957.9	544.4	403.0	305.7	228.2
82.5°	1923.0	1596.4	1213.2	1004.9	862.6	902.3	490.0	278.4	186.3	170.6	141.3
85°	1001.8	878.2	741.1	636.5	562.1	494.1	254.4	132.9	77.5	68.0	61.8
87.5°	0.0	1.0	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°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1107.5	1106.5	1108.6	1109.6	1112.8	1114.9	1115.9	1113.8	1116.9	1120.1	1118.0
5°	1136.8	1144.2	1145.2	1148.4	1148.4	1154.6	1154.6	1154.6	1153.6	1154.6	1152.6
7.5°	1162.0	1171.4	1172.5	1176.7	1177.7	1185.0	1181.9	1183.9	1183.9	1178.7	1176.7
10°	1165.1	1174.5	1179.7	1185.0	1192.3	1201.8	1201.8	1207.0	1207.0	1202.8	1201.8
12.5°	1166.1	1173.5	1178.7	1186.1	1196.5	1210.1	1217.4	1224.8	1227.9	1226.9	1223.7
15°	1188.1	1188.1	1189.2	1195.4	1202.8	1219.5	1230.1	1238.4	1243.6	1241.5	1236.3
17.5°	1245.7	1237.3	1231.1	1220.6	1222.7	1231.1	1237.3	1244.7	1245.7	1243.6	1235.3
20°	1312.8	1302.2	1286.5	1269.8	1261.4	1255.2	1251.0	1251.0	1247.8	1237.3	1223.7
22.5°	1408.0	1394.3	1372.4	1347.3	1330.5	1310.6	1286.5	1263.5	1238.4	1213.2	1183.9
25°	1539.8	1521.0	1498.0	1459.3	1423.6	1381.8	1332.6	1281.3	1221.6	1169.3	1126.3
27.5°	1672.8	1631.0	1571.3	1517.9	1451.9	1389.1	1319.0	1256.2	1179.7	1116.9	1069.9
30°	1782.7	1703.2	1617.3	1532.6	1445.7	1360.8	1277.1	1201.8	1118.0	1054.1	1008.1
32.5°	1867.5	1757.6	1638.2	1527.3	1420.6	1316.9	1220.6	1136.8	1052.0	986.1	936.9
35°	1946.1	1793.2	1641.4	1504.3	1372.4	1264.6	1155.7	1064.7	974.6	905.5	852.1
37.5°	2004.7	1810.0	1622.5	1461.3	1309.6	1189.2	1078.2	985.0	892.9	817.6	756.8
40°	2042.3	1799.5	1581.8	1399.6	1235.3	1108.6	995.5	899.3	810.2	727.5	654.2
42.5°	2072.7	1785.9	1540.9	1343.1	1176.7	1038.4	922.2	818.6	728.6	638.5	558.0
45°	2117.7	1796.4	1523.1	1303.3	1124.3	978.8	851.1	743.3	649.0	561.1	483.6
47.5°	2161.7	1801.6	1496.9	1254.1	1058.3	917.0	787.2	682.5	586.2	505.6	434.4
50°	2201.5	1798.4	1456.1	1191.3	994.5	855.3	729.6	624.9	529.7	455.4	388.4
52.5°	2220.3	1780.7	1405.9	1130.5	943.2	800.8	673.1	571.5	477.3	407.2	345.5
55°	2218.2	1734.6	1339.9	1073.0	886.6	743.3	617.6	517.1	432.4	367.4	314.0
57.5°	2186.8	1663.4	1269.8	1009.1	812.3	672.1	552.7	455.4	384.2	329.8	284.7
60°	2120.9	1572.3	1177.7	916.0	719.2	584.1	472.1	388.4	330.8	288.9	259.6
62.5°	1997.3	1441.5	1062.5	786.1	593.6	470.0	372.7	318.2	275.4	250.2	236.6
63°	1960.7	1405.9	1013.3	754.8	564.2	443.8	351.7	295.2	263.8	241.8	229.2
65°	1778.5	1231.1	847.9	609.2	438.6	342.3	282.6	239.7	220.8	211.4	210.4
67.5°	1440.4	968.3	599.8	417.7	298.3	247.1	216.7	198.9	190.5	188.5	190.5
70°	1011.3	611.4	381.0	277.4	220.8	198.9	185.3	178.0	172.7	173.8	175.9
72.5°	644.8	366.4	261.7	210.4	186.3	174.8	168.6	166.4	165.4	164.4	164.4
75°	367.4	243.9	201.0	182.1	169.6	160.2	154.9	152.8	153.9	154.9	152.8
77.5°	242.9	201.0	179.0	166.4	154.9	144.5	141.3	140.3	142.3	144.5	144.5
80°	191.5	179.0	166.4	153.9	135.1	127.7	129.8	130.9	129.8	130.9	127.7
82.5°	135.1	132.9	136.1	130.9	112.0	105.8	103.6	104.7	102.6	102.6	100.5
85°	62.8	62.8	66.0	66.0	63.8	64.9	70.1	76.4	79.5	76.4	72.2
87.5°	0.0	0.0	0.0	0.0	0.0	9.4	18.9	27.3	29.3	36.7	35.6
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: P180986

CATALOG NUMBER: ICM-E04-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1114.9	1116.9	1115.9	1114.9	1116.9	1114.9	1115.9	1114.9	1114.9	1113.8	1113.8
5°	1150.4	1153.6	1147.4	1146.2	1144.2	1138.9	1138.9	1136.8	1136.8	1132.7	1129.5
7.5°	1173.5	1174.5	1169.3	1168.3	1163.0	1157.8	1153.6	1149.4	1148.4	1145.2	1138.9
10°	1195.4	1193.4	1189.2	1183.9	1178.7	1171.4	1166.1	1160.9	1159.9	1154.6	1147.4
12.5°	1214.3	1213.2	1204.8	1199.6	1191.3	1183.9	1177.7	1171.4	1168.3	1162.0	1151.5
15°	1226.9	1220.6	1210.1	1200.7	1191.3	1182.9	1175.5	1168.3	1165.1	1157.8	1147.4
17.5°	1221.6	1210.1	1196.5	1185.0	1172.5	1162.0	1155.7	1148.4	1143.2	1138.9	1124.3
20°	1202.8	1186.1	1165.1	1151.5	1134.7	1121.1	1116.9	1109.6	1105.4	1089.8	1070.9
22.5°	1153.6	1129.5	1103.4	1083.4	1064.7	1051.0	1040.6	1033.2	1022.7	1013.3	984.0
25°	1091.8	1064.7	1037.4	1013.3	988.2	967.3	948.4	930.6	925.4	905.5	877.2
27.5°	1032.2	1001.8	974.6	946.3	913.9	887.7	855.3	830.1	813.4	792.5	766.2
30°	968.3	938.0	901.3	863.6	826.0	797.7	761.0	730.7	709.8	687.7	663.7
32.5°	887.7	851.1	807.1	765.2	730.7	697.2	660.6	631.3	610.3	590.4	567.4
35°	795.5	747.4	700.3	654.2	617.6	589.4	556.9	534.9	520.3	502.5	478.4
37.5°	689.9	635.4	585.2	549.6	517.1	490.0	466.9	453.3	437.6	428.2	413.5
40°	583.1	529.7	480.5	448.0	420.8	405.1	392.6	389.4	379.0	366.4	356.9
42.5°	488.8	437.6	389.4	363.3	345.5	341.3	335.0	335.0	329.8	320.3	314.0
45°	425.0	371.6	329.8	310.9	301.5	300.5	297.3	297.3	296.3	292.1	284.7
47.5°	379.0	330.8	298.3	286.8	284.7	282.6	279.5	278.4	277.4	274.2	270.0
50°	337.1	296.3	275.4	270.0	271.2	268.0	264.8	261.7	260.7	257.5	253.3
52.5°	298.3	269.0	255.4	252.3	252.3	252.3	250.2	250.2	248.1	247.1	242.9
55°	276.4	254.4	247.1	246.0	244.9	243.9	241.8	241.8	239.7	238.7	233.4
57.5°	257.5	243.9	239.7	237.6	236.6	234.5	233.4	233.4	233.4	233.4	227.2
60°	242.9	236.6	235.5	233.4	232.4	228.2	226.1	225.0	226.1	227.2	220.8
62.5°	227.2	226.1	225.0	223.0	222.0	217.8	214.6	212.5	214.6	216.7	215.6
63°	223.0	222.0	222.0	220.8	219.8	214.6	211.4	209.4	211.4	213.6	213.6
65°	208.3	209.4	209.4	208.3	207.3	204.1	199.9	197.9	198.9	202.0	203.1
67.5°	192.7	193.7	192.7	193.7	192.7	190.5	187.3	185.3	184.3	185.3	186.3
70°	178.0	180.1	179.0	178.0	176.9	176.9	174.8	171.7	170.6	169.6	169.6
72.5°	165.4	165.4	163.3	163.3	162.2	162.2	160.2	157.0	156.0	156.0	153.9
75°	151.8	151.8	148.7	148.7	146.5	147.6	145.5	142.3	141.3	141.3	140.3
77.5°	143.4	140.3	135.1	134.0	132.9	132.9	131.9	128.7	127.7	127.7	126.7
80°	126.7	120.4	115.2	114.1	115.2	117.2	117.2	115.2	115.2	115.2	115.2
82.5°	98.4	96.3	93.2	91.1	91.1	94.2	98.4	100.5	102.6	104.7	104.7
85°	72.2	73.3	72.2	69.1	68.0	71.2	75.3	79.5	80.6	84.8	83.7
87.5°	38.7	39.8	36.7	35.6	38.7	40.8	45.0	46.0	48.2	49.2	50.2
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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CATALOG NUMBER: ICM-E04-LED-E1-SLL-8030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
2.5°	1112.8	1111.7	1112.8	1110.7	1110.7	1108.6	1106.5	1105.4	1103.4	1102.3	1100.2
5°	1131.6	1128.5	1125.3	1124.3	1120.1	1115.9	1112.8	1107.5	1103.4	1096.0	1094.0
7.5°	1144.2	1136.8	1132.7	1131.6	1125.3	1122.1	1114.9	1108.6	1102.3	1092.8	1089.8
10°	1149.4	1142.1	1134.7	1131.6	1124.3	1119.1	1111.7	1102.3	1097.0	1087.6	1085.6
12.5°	1155.7	1142.1	1130.5	1122.1	1111.7	1100.2	1092.8	1087.6	1080.3	1075.1	1073.0
15°	1144.2	1126.3	1108.6	1092.8	1076.1	1063.5	1056.2	1047.8	1039.4	1036.4	1036.4
17.5°	1112.8	1089.8	1059.4	1039.4	1021.7	1008.1	998.7	990.3	989.2	985.0	987.2
20°	1047.8	1017.5	988.2	973.5	963.1	954.7	945.3	941.1	938.0	931.6	929.6
22.5°	957.9	932.7	911.8	901.3	892.9	882.4	874.1	861.5	858.4	852.1	848.9
25°	858.4	838.5	820.7	813.4	808.1	793.5	788.3	771.5	760.0	752.7	756.8
27.5°	759.0	744.3	727.5	718.1	715.0	701.4	696.1	677.3	667.9	667.9	657.4
30°	656.4	642.7	632.3	621.8	619.7	603.0	589.4	582.1	571.5	567.4	560.0
32.5°	560.0	546.4	538.0	532.8	524.5	510.9	497.2	484.7	467.9	461.7	458.5
35°	471.1	460.6	450.1	446.0	434.4	419.8	403.0	392.6	372.7	365.3	362.2
37.5°	403.0	390.4	383.2	371.6	360.1	344.4	331.8	322.4	315.1	311.9	311.9
40°	348.6	339.2	330.8	321.4	311.9	303.5	297.3	295.2	294.1	294.1	296.3
42.5°	307.7	299.4	295.2	290.0	286.8	286.8	285.8	286.8	287.9	288.9	292.1
45°	280.6	275.4	273.2	272.2	274.2	276.4	277.4	279.5	283.7	285.8	286.8
47.5°	265.9	261.7	260.7	261.7	264.8	269.0	273.2	276.4	279.5	280.6	281.6
50°	251.3	246.0	243.9	246.0	250.2	256.5	259.6	264.8	267.0	269.0	267.0
52.5°	238.7	234.5	233.4	233.4	237.6	241.8	246.0	250.2	251.3	251.3	250.2
55°	228.2	225.0	222.0	224.0	227.2	231.4	237.6	240.7	242.9	243.9	243.9
57.5°	219.8	216.7	213.6	215.6	218.8	223.0	229.2	232.4	234.5	237.6	238.7
60°	213.6	209.4	206.2	209.4	212.5	218.8	224.0	227.2	232.4	233.4	233.4
62.5°	207.3	203.1	197.9	201.0	201.0	204.1	209.4	213.6	218.8	220.8	220.8
63°	206.2	202.0	196.8	198.9	198.9	201.0	205.2	209.4	215.6	217.8	216.7
65°	197.9	196.8	191.5	191.5	189.5	191.5	194.7	198.9	202.0	205.2	205.2
67.5°	184.3	183.2	182.1	182.1	182.1	184.3	186.3	189.5	192.7	194.7	193.7
70°	168.6	168.6	168.6	169.6	169.6	171.7	172.7	171.7	174.8	176.9	175.9
72.5°	154.9	153.9	152.8	154.9	153.9	153.9	156.0	154.9	158.0	158.0	159.1
75°	140.3	139.3	139.3	140.3	138.1	136.1	137.1	137.1	138.1	138.1	140.3
77.5°	127.7	127.7	127.7	126.7	124.6	123.5	122.5	122.5	122.5	122.5	123.5
80°	116.2	116.2	116.2	115.2	113.0	111.0	108.8	107.8	106.8	101.6	101.6
82.5°	104.7	104.7	104.7	104.7	103.6	101.6	98.4	90.0	85.9	81.7	82.7
85°	82.7	84.8	86.9	90.0	89.0	89.0	82.7	72.2	66.0	61.8	62.8
87.5°	53.4	47.1	47.1	46.0	44.0	41.9	41.9	35.6	29.3	26.1	27.3
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-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	0°
2.5°	1100.2	1098.1	1096.0	1096.0	1092.8	1092.8	1090.8	1095.0	1090.8	1087.6	1087.6	2.5°
5°	1091.8	1089.8	1083.4	1082.4	1078.2	1078.2	1078.2	1076.1	1076.1	1074.1	1073.0	5°
7.5°	1086.6	1081.4	1076.1	1073.0	1073.0	1070.9	1075.1	1073.0	1074.1	1074.1	1075.1	7.5°
10°	1082.4	1078.2	1076.1	1075.1	1075.1	1078.2	1081.4	1082.4	1081.4	1082.4	1082.4	10°
12.5°	1071.9	1074.1	1075.1	1079.3	1084.5	1090.8	1098.1	1099.2	1101.2	1101.2	1103.4	12.5°
15°	1038.4	1043.6	1050.0	1060.5	1074.1	1087.6	1101.2	1112.8	1123.3	1128.5	1132.7	15°
17.5°	991.4	996.6	1008.1	1019.6	1037.4	1057.3	1080.3	1100.2	1122.1	1142.1	1162.0	17.5°
20°	927.4	935.8	939.0	959.9	980.8	1008.1	1035.3	1066.7	1104.4	1142.1	1180.8	20°
22.5°	844.7	854.2	868.8	885.6	907.6	941.1	973.5	1022.7	1073.0	1126.3	1187.1	22.5°
25°	752.7	763.2	775.7	793.5	815.4	851.1	898.1	950.5	1012.3	1082.4	1157.8	25°
27.5°	657.4	667.9	678.3	690.9	716.0	753.7	809.2	863.6	931.6	1008.1	1096.0	27.5°
30°	562.1	563.2	569.5	585.2	611.4	660.6	701.4	769.4	840.6	921.2	1022.7	30°
32.5°	457.5	456.4	463.7	477.3	502.5	549.6	599.8	665.8	735.9	837.5	942.1	32.5°
35°	364.3	364.3	377.9	391.5	419.8	453.3	497.2	555.8	638.5	732.7	837.5	35°
37.5°	315.1	322.4	330.8	344.4	366.4	392.6	431.3	482.6	547.4	637.5	733.9	37.5°
40°	299.4	303.5	310.9	323.4	342.3	366.4	394.6	433.4	483.6	555.8	643.8	40°
42.5°	293.1	294.1	298.3	307.7	324.5	348.6	377.9	412.5	450.1	501.4	577.9	42.5°
45°	286.8	285.8	287.9	295.2	308.8	336.0	369.5	407.2	444.9	487.8	550.6	45°
47.5°	281.6	281.6	281.6	284.7	297.3	324.5	363.3	407.2	452.2	500.4	562.1	47.5°
50°	267.0	265.9	265.9	268.0	277.4	306.7	352.7	406.1	464.7	527.6	597.8	50°
52.5°	250.2	250.2	251.3	252.3	260.7	290.0	341.3	406.1	479.4	563.2	651.1	52.5°
55°	244.9	246.0	247.1	246.0	252.3	277.4	328.7	399.9	485.7	591.4	708.7	55°
57.5°	240.7	242.9	242.9	241.8	246.0	267.0	316.1	387.4	480.5	602.0	749.5	57.5°
60°	234.5	234.5	234.5	231.4	233.4	252.3	297.3	367.4	463.7	592.5	755.8	60°
62.5°	220.8	220.8	218.8	217.8	216.7	231.4	272.2	338.1	433.4	567.4	740.1	62.5°
63°	217.8	216.7	216.7	213.6	213.6	227.2	267.0	334.0	425.0	561.1	733.9	63°
65°	206.2	206.2	206.2	204.1	203.1	213.6	246.0	304.7	392.6	531.8	702.4	65°
67.5°	193.7	194.7	192.7	191.5	190.5	196.8	222.0	268.0	342.3	470.0	643.8	67.5°
70°	175.9	176.9	176.9	175.9	174.8	179.0	194.7	230.3	283.7	391.5	548.6	70°
72.5°	160.2	162.2	162.2	164.4	164.4	167.5	173.8	191.5	227.2	305.7	431.3	72.5°
75°	143.4	144.5	146.5	148.7	146.5	145.5	146.5	160.2	178.0	226.1	307.7	75°
77.5°	128.7	131.9	131.9	130.9	127.7	125.6	125.6	131.9	146.5	171.7	219.8	77.5°
80°	106.8	112.0	113.0	110.0	106.8	106.8	108.8	113.0	122.5	141.3	166.4	80°
82.5°	85.9	91.1	92.1	93.2	92.1	95.3	95.3	96.3	101.6	116.2	136.1	82.5°
85°	66.0	70.1	73.3	74.3	75.3	76.4	75.3	70.1	73.3	82.7	92.1	85°
87.5°	29.3	30.3	28.3	29.3	28.3	29.3	30.3	25.1	24.1	32.5	33.5	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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NUMBER: ICM-E04-LED-E1-SLL-8030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1
1086.6	1086.6	1087.6	1085.6	1085.6	1086.6	1083.4
1069.9	1074.1	1074.1	1074.1	1071.9	1074.1	1075.1
1074.1	1077.2	1079.3	1079.3	1078.2	1082.4	1085.6
1079.3	1084.5	1086.6	1086.6	1086.6	1091.8	1099.2
1099.2	1103.4	1106.5	1106.5	1108.6	1114.9	1123.3
1135.8	1141.0	1141.0	1140.0	1146.2	1153.6	1163.0
1176.7	1191.3	1198.6	1197.6	1202.8	1212.2	1222.7
1215.4	1256.2	1274.0	1286.5	1291.7	1304.4	1307.4
1247.8	1315.8	1365.0	1406.9	1426.8	1439.4	1454.1
1236.3	1328.4	1416.4	1502.1	1562.9	1624.7	1650.8
1189.2	1304.4	1419.5	1545.1	1655.0	1764.9	1844.5
1131.6	1269.8	1424.8	1602.7	1776.5	1944.9	2079.0
1065.7	1237.3	1436.2	1656.1	1884.3	2105.1	2298.8
983.0	1175.5	1408.0	1661.3	1930.3	2198.3	2449.6
878.2	1091.8	1342.1	1623.6	1932.4	2239.2	2539.6
773.6	986.1	1258.2	1569.2	1905.2	2248.6	2596.1
700.3	891.9	1173.5	1500.1	1861.2	2233.9	2623.4
650.1	823.8	1098.1	1437.3	1814.2	2207.7	2627.6
645.9	794.5	1048.9	1391.3	1776.5	2184.7	2627.6
681.5	810.2	1032.2	1368.2	1760.8	2177.4	2629.6
748.5	873.0	1062.5	1386.0	1773.3	2186.8	2639.0
829.1	968.3	1144.2	1447.7	1826.7	2218.2	2659.9
902.3	1078.2	1283.4	1567.1	1924.0	2297.8	2718.6
945.3	1172.5	1431.0	1734.6	2090.5	2455.8	2835.8
950.5	1224.8	1561.9	1916.8	2292.6	2636.9	3023.2
946.3	1228.9	1578.6	1951.3	2335.5	2682.0	3088.1
923.3	1230.1	1625.7	2072.7	2484.1	2871.5	3269.2
864.7	1196.5	1642.4	2167.9	2671.5	3120.6	3607.4
763.2	1101.2	1593.2	2170.1	2743.7	3259.8	3820.9
613.4	920.2	1380.8	1974.3	2553.2	3122.6	3765.4
449.1	676.3	1043.6	1529.4	2083.2	2599.3	3225.2
298.3	437.6	703.4	1089.8	1493.8	1870.6	2321.9
205.2	271.2	411.4	655.4	913.9	1097.0	1479.2
150.7	179.0	228.2	335.0	439.6	541.2	772.6
94.2	102.6	114.1	165.4	236.6	319.3	481.5
25.1	26.1	24.1	32.5	51.3	49.2	54.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)