

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: P181048

Luminaire Tested: **ICS-E04-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181048
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: ICS-E04-LED-E1-SLL
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10017.4 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

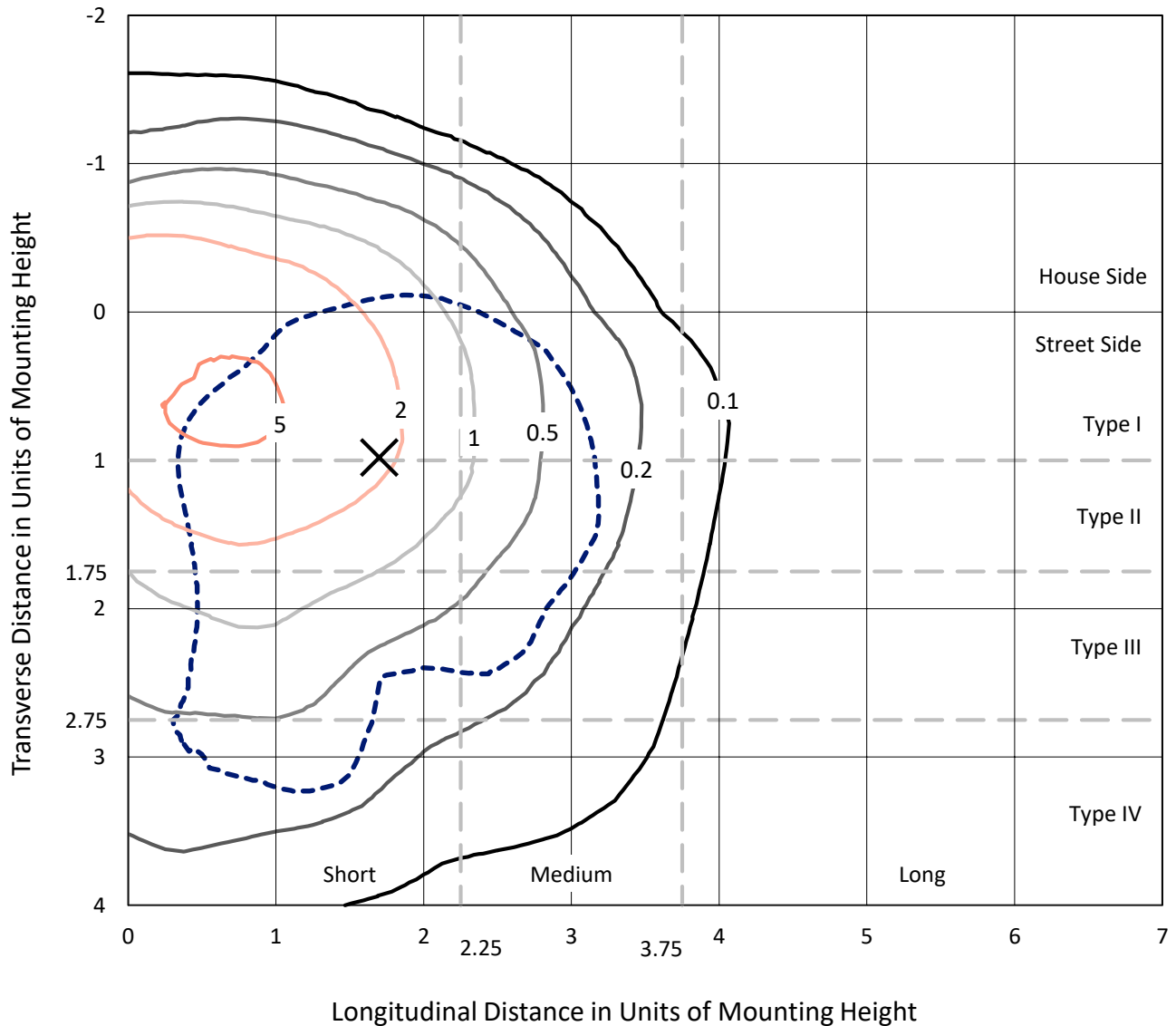
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

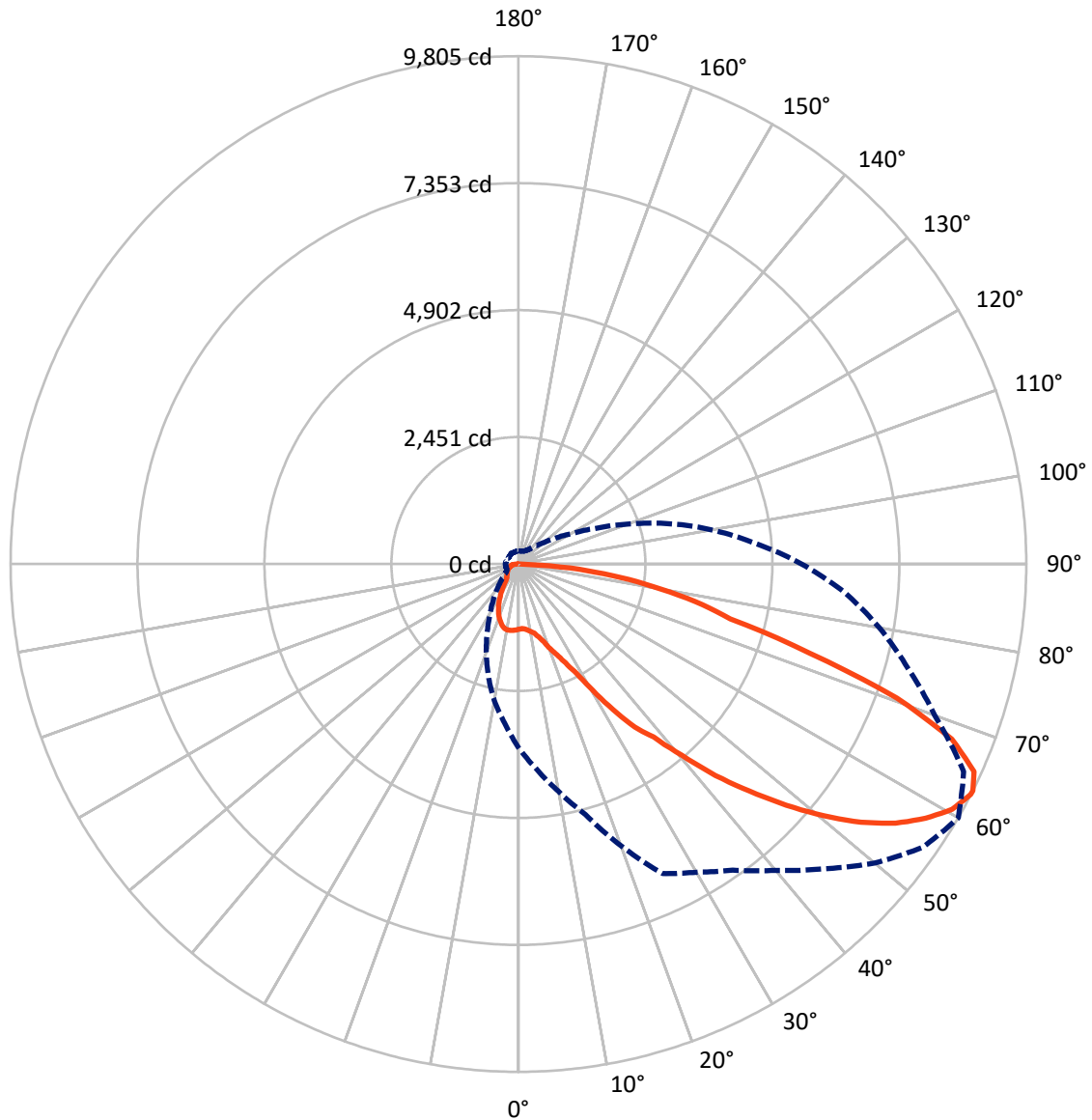
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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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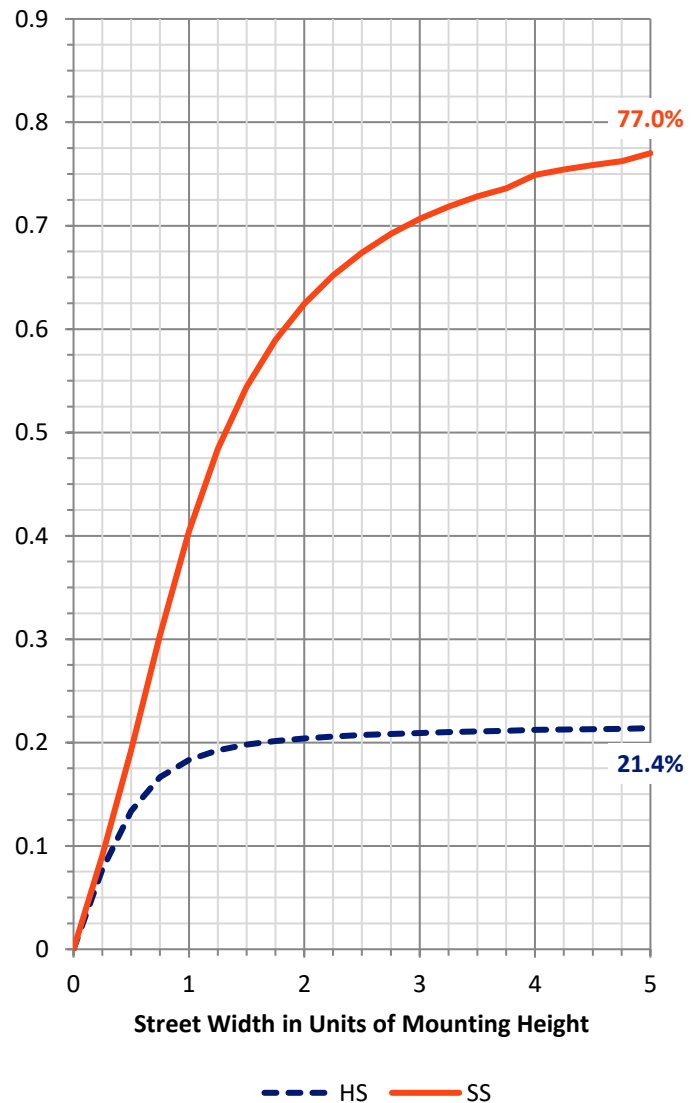
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2172.2	0.0	2172.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7845.1	0.0	7845.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	10017.4	0.0	10017.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.2
10°-20°	381.7	3.8
20°-30°	678.0	6.8
30°-40°	1067.7	10.7
40°-50°	1571.3	15.7
50°-60°	2087.2	20.8
60°-70°	2299.1	23.0
70°-80°	1442.4	14.4
80°-90°	367.4	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°	10017.4	100.0
0°-180°	10017.4	100.0



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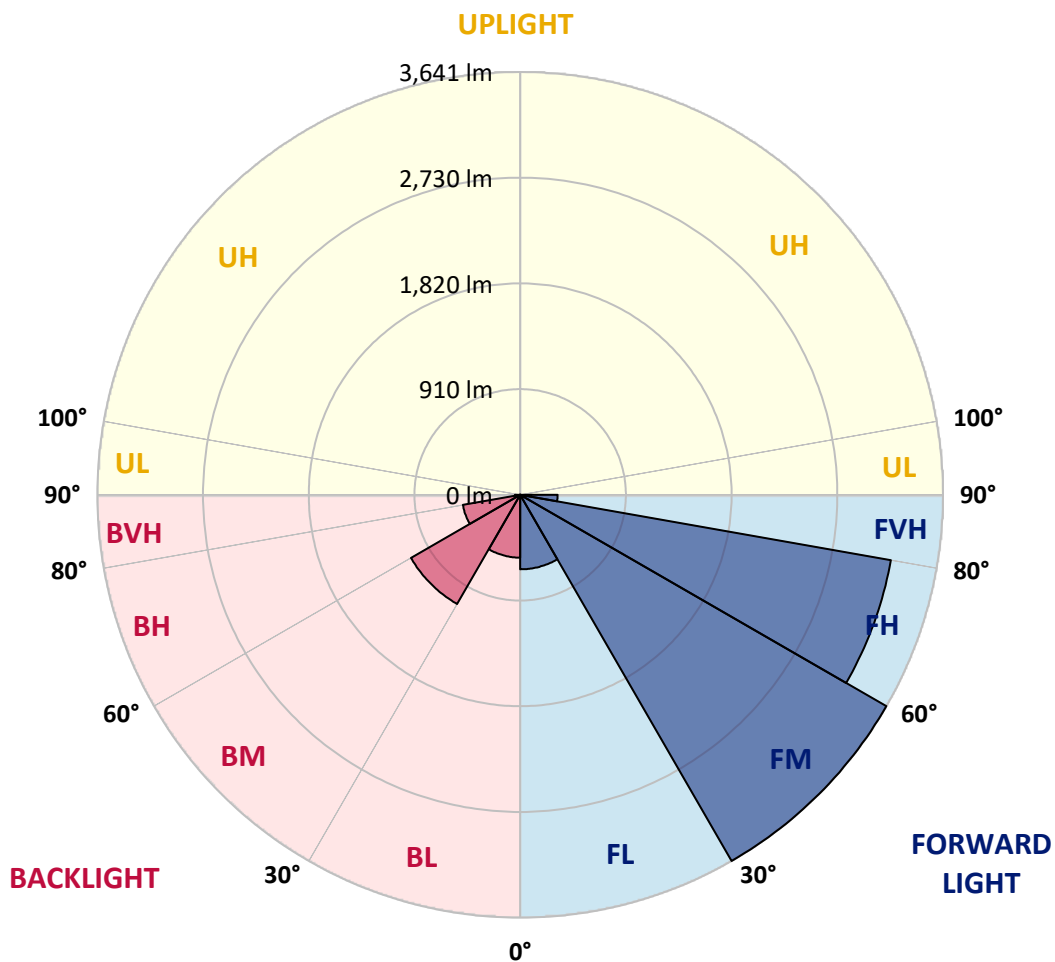
CATALOG NUMBER: ICS-E04-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.4	6.4			
FM (30°-60°)	3640.5	36.3			
FH (60°-80°)	3240.8	32.4			G2/5000
FVH (80°-90°)	322.4	3.2			G3/500
BL (0°-30°)	540.8	5.4	B2/1000		
BM (30°-60°)	1085.7	10.8	B2/2500		
BH (60°-80°)	500.7	5.0	B2/1000		G2/1000
BVH (80°-90°)	45.0	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°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
2.5°	1242.1	1244.5	1244.5	1243.3	1243.3	1245.7	1244.5	1243.3	1239.7	1244.5	1244.5
5°	1232.5	1234.9	1234.9	1237.3	1239.7	1242.1	1242.1	1244.5	1243.3	1248.1	1251.7
7.5°	1244.5	1246.9	1251.7	1257.7	1261.3	1269.7	1269.7	1275.7	1278.1	1281.7	1280.5
10°	1260.1	1266.1	1276.9	1286.5	1293.7	1303.3	1310.5	1318.9	1318.9	1322.5	1324.9
12.5°	1287.7	1293.7	1305.7	1317.7	1328.5	1340.5	1351.3	1359.7	1368.1	1370.5	1375.3
15°	1333.3	1340.5	1358.5	1375.3	1388.5	1404.1	1418.5	1435.3	1450.9	1454.5	1456.9
17.5°	1401.7	1416.1	1429.3	1459.3	1478.5	1498.9	1521.7	1545.7	1550.5	1575.7	1581.7
20°	1498.9	1516.9	1528.9	1566.1	1598.5	1624.9	1658.5	1686.1	1696.9	1720.9	1744.9
22.5°	1666.9	1663.3	1681.3	1718.5	1742.5	1795.3	1824.1	1852.9	1867.3	1903.3	1922.5
25°	1892.5	1911.7	1951.3	1954.9	1977.7	2038.9	2076.1	2104.9	2106.1	2116.9	2137.3
27.5°	2114.5	2193.7	2256.1	2289.7	2350.9	2407.3	2404.9	2445.7	2382.1	2395.3	2414.5
30°	2383.3	2515.3	2632.9	2712.1	2774.6	2840.6	2873.0	2895.8	2868.2	2856.2	2833.4
32.5°	2635.3	2820.2	3001.4	3141.8	3258.2	3367.4	3439.4	3471.8	3510.2	3607.4	3642.2
35°	2808.2	3069.8	3295.4	3498.2	3692.6	3866.6	3992.6	4064.6	4037.0	4023.8	4016.6
37.5°	2911.4	3230.6	3512.6	3799.4	4022.6	4283.0	4478.6	4668.3	4711.5	4635.9	4598.7
40°	2976.2	3354.2	3716.6	4055.0	4344.2	4680.3	4922.7	5207.1	5423.1	5451.9	5363.1
42.5°	3007.4	3437.0	3859.4	4242.2	4633.5	5045.1	5352.3	5696.7	6019.5	6241.5	6186.3
45°	3012.2	3491.0	3963.8	4411.4	4877.1	5365.5	5761.5	6143.1	6575.2	6955.6	6966.4
47.5°	3012.2	3531.8	4035.8	4533.8	5095.5	5643.9	6075.9	6527.2	7056.4	7506.4	7644.4
50°	3014.6	3559.4	4103.0	4629.9	5262.3	5879.1	6367.5	6900.4	7457.2	7946.8	8213.2
52.5°	3025.4	3579.8	4155.8	4698.3	5370.3	6044.7	6594.4	7208.8	7763.2	8266.0	8610.5
55°	3049.4	3608.6	4194.2	4740.3	5442.3	6152.7	6758.8	7420.0	7961.2	8471.3	8952.5
57.5°	3116.6	3659.0	4241.0	4777.5	5481.9	6223.5	6874.0	7511.2	8036.8	8568.5	9133.7
60°	3251.0	3765.8	4321.4	4851.9	5547.9	6354.3	6929.2	7450.0	7981.6	8539.7	9174.5
62.5°	3465.8	3932.6	4433.0	4977.9	5736.3	6557.2	6887.2	7267.6	7764.4	8372.9	9029.3
63°	3540.2	3968.6	4458.2	5005.5	5787.9	6594.4	6869.2	7213.6	7720.0	8320.1	8977.7
65°	3747.8	4128.2	4578.2	5144.7	6000.3	6631.6	6728.8	6932.8	7412.8	8018.8	8672.9
67.5°	4135.4	4515.8	4836.3	5379.9	6179.1	6485.2	6293.1	6318.3	6820.0	7447.6	8035.6
70°	4380.2	4833.9	5000.7	5409.9	6146.7	6267.9	5729.1	5395.5	5797.5	6512.8	7027.6
72.5°	4316.6	4837.5	4819.5	5010.3	5498.7	5611.5	5053.5	4527.8	4766.7	5300.7	5634.3
75°	3697.4	4320.2	4188.2	4149.8	4321.4	4395.8	3977.0	3896.6	4197.8	4494.2	4499.0
77.5°	2661.7	3347.0	3192.2	2970.2	2958.2	3129.8	3186.2	3713.0	4158.2	4392.2	4289.0
80°	1695.7	2438.5	2277.7	1890.1	1884.1	2107.3	2602.9	3319.4	3791.0	3921.8	3653.0
82.5°	885.6	1596.1	1657.3	1418.5	1623.7	1993.3	2476.9	2674.9	2853.8	2871.8	2554.9
85°	552.0	981.7	1154.5	1191.7	1466.5	1767.7	1764.1	1694.5	1615.3	1382.5	1250.5
87.5°	62.4	123.6	187.2	177.6	238.8	334.8	417.6	244.8	171.6	62.4	86.4
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°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
2.5°	1246.9	1248.1	1249.3	1249.3	1255.3	1254.1	1255.3	1257.7	1261.3	1263.7	1266.1
5°	1256.5	1256.5	1261.3	1264.9	1272.1	1276.9	1279.3	1286.5	1294.9	1292.5	1299.7
7.5°	1287.7	1286.5	1291.3	1293.7	1299.7	1308.1	1306.9	1312.9	1320.1	1322.5	1328.5
10°	1329.7	1326.1	1326.1	1323.7	1324.9	1322.5	1322.5	1322.5	1327.3	1326.1	1330.9
12.5°	1372.9	1371.7	1369.3	1362.1	1362.1	1352.5	1347.7	1341.7	1340.5	1332.1	1333.3
15°	1461.7	1461.7	1456.9	1442.5	1430.5	1422.1	1410.1	1401.7	1389.7	1374.1	1365.7
17.5°	1591.3	1574.5	1568.5	1566.1	1546.9	1539.7	1513.3	1485.7	1472.5	1450.9	1438.9
20°	1749.7	1746.1	1722.1	1710.1	1686.1	1652.5	1618.9	1582.9	1561.3	1534.9	1520.5
22.5°	1928.5	1902.1	1890.1	1872.1	1834.9	1796.5	1746.1	1698.1	1664.5	1646.5	1635.7
25°	2137.3	2110.9	2098.9	2074.9	2029.3	1988.5	1926.1	1869.7	1839.7	1809.7	1792.9
27.5°	2414.5	2389.3	2374.9	2312.5	2296.9	2229.7	2152.9	2076.1	2036.5	1992.1	1963.3
30°	2828.6	2829.8	2755.3	2679.7	2601.7	2485.3	2404.9	2318.5	2253.7	2190.1	2126.5
32.5°	3528.2	3349.4	3211.4	3049.4	2880.2	2756.5	2656.9	2553.7	2463.7	2371.3	2265.7
35°	3955.4	3869.0	3690.2	3393.8	3223.4	3073.4	2963.0	2838.2	2727.7	2564.5	2403.7
37.5°	4437.8	4237.4	4020.2	3855.8	3662.6	3488.6	3303.8	3162.2	2971.4	2751.7	2523.7
40°	5142.3	4855.5	4593.8	4373.0	4123.4	3941.0	3734.6	3529.4	3276.2	2958.2	2644.9
42.5°	5877.9	5581.5	5235.9	4949.1	4655.1	4441.4	4185.8	3897.8	3525.8	3132.2	2749.3
45°	6649.6	6253.5	5839.5	5489.1	5183.1	4917.9	4601.1	4219.4	3765.8	3288.2	2846.6
47.5°	7410.4	6955.6	6462.4	6085.5	5687.1	5363.1	4974.3	4491.8	3953.0	3435.8	2943.8
50°	8081.2	7643.2	7049.2	6570.4	6167.1	5767.5	5282.7	4701.9	4100.6	3563.0	3031.4
52.5°	8659.7	8282.9	7657.6	7052.8	6588.4	6139.5	5531.1	4871.1	4249.4	3680.6	3103.4
55°	9084.5	8833.7	8257.6	7507.6	6959.2	6423.9	5741.1	5034.3	4389.8	3774.2	3150.2
57.5°	9404.9	9265.7	8771.3	7936.0	7300.0	6700.0	5958.3	5229.9	4529.0	3854.6	3171.8
60°	9580.1	9618.5	9160.1	8310.5	7601.2	6930.4	6175.5	5396.7	4632.3	3901.4	3159.8
62.5°	9563.3	9798.5	9451.7	8540.9	7776.4	7067.2	6321.9	5474.7	4617.9	3827.0	3050.6
63°	9530.9	9804.5	9484.1	8556.5	7787.2	7072.0	6325.5	5463.9	4587.8	3791.0	3007.4
65°	9251.3	9666.5	9456.5	8485.7	7691.2	6982.0	6249.9	5307.9	4376.6	3597.8	2785.4
67.5°	8502.5	9022.1	8962.1	7985.2	7236.4	6610.0	5863.5	4805.1	3854.6	3122.6	2360.5
70°	7265.2	7753.6	7764.4	6944.8	6319.5	5705.1	5084.7	3909.8	3055.4	2420.5	1760.5
72.5°	5568.3	5882.7	5991.9	5451.9	5033.1	4601.1	4044.2	2838.2	2178.1	1646.5	1146.1
75°	4311.8	4225.4	4224.2	3996.2	3825.8	3614.6	3002.6	1915.3	1430.5	1070.5	700.8
77.5°	3876.2	3492.2	3120.2	2846.6	2709.7	2638.9	1969.3	1154.5	843.6	615.6	403.2
80°	3197.0	2630.5	2125.3	1830.1	1712.5	1794.1	1098.1	624.0	462.0	350.4	261.6
82.5°	2204.5	1830.1	1390.9	1152.1	988.9	1034.5	561.6	319.2	213.6	195.6	162.0
85°	1148.5	1006.9	849.6	729.6	644.4	566.4	291.6	152.4	88.8	78.0	70.8
87.5°	0.0	1.2	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°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
2.5°	1269.7	1268.5	1270.9	1272.1	1275.7	1278.1	1279.3	1276.9	1280.5	1284.1	1281.7
5°	1303.3	1311.7	1312.9	1316.5	1316.5	1323.7	1323.7	1323.7	1322.5	1323.7	1321.3
7.5°	1332.1	1342.9	1344.1	1348.9	1350.1	1358.5	1354.9	1357.3	1357.3	1351.3	1348.9
10°	1335.7	1346.5	1352.5	1358.5	1366.9	1377.7	1377.7	1383.7	1383.7	1378.9	1377.7
12.5°	1336.9	1345.3	1351.3	1359.7	1371.7	1387.3	1395.7	1404.1	1407.7	1406.5	1402.9
15°	1362.1	1362.1	1363.3	1370.5	1378.9	1398.1	1410.1	1419.7	1425.7	1423.3	1417.3
17.5°	1428.1	1418.5	1411.3	1399.3	1401.7	1411.3	1418.5	1426.9	1428.1	1425.7	1416.1
20°	1504.9	1492.9	1474.9	1455.7	1446.1	1438.9	1434.1	1434.1	1430.5	1418.5	1402.9
22.5°	1614.1	1598.5	1573.3	1544.5	1525.3	1502.5	1474.9	1448.5	1419.7	1390.9	1357.3
25°	1765.3	1743.7	1717.3	1672.9	1632.1	1584.1	1527.7	1468.9	1400.5	1340.5	1291.3
27.5°	1917.7	1869.7	1801.3	1740.1	1664.5	1592.5	1512.1	1440.1	1352.5	1280.5	1226.5
30°	2043.7	1952.5	1854.1	1756.9	1657.3	1560.1	1464.1	1377.7	1281.7	1208.5	1155.7
32.5°	2140.9	2014.9	1878.1	1750.9	1628.5	1509.7	1399.3	1303.3	1206.1	1130.5	1074.1
35°	2230.9	2055.7	1881.7	1724.5	1573.3	1449.7	1324.9	1220.5	1117.3	1038.1	976.9
37.5°	2298.1	2074.9	1860.1	1675.3	1501.3	1363.3	1236.1	1129.3	1023.7	937.3	867.6
40°	2341.3	2062.9	1813.3	1604.5	1416.1	1270.9	1141.3	1030.9	928.9	834.0	750.0
42.5°	2376.1	2047.3	1766.5	1539.7	1348.9	1190.5	1057.3	938.5	835.2	732.0	639.6
45°	2427.7	2059.3	1746.1	1494.1	1288.9	1122.1	975.7	852.0	744.0	643.2	554.4
47.5°	2478.1	2065.3	1716.1	1437.7	1213.3	1051.3	902.4	782.4	672.0	579.6	498.0
50°	2523.7	2061.7	1669.3	1365.7	1140.1	980.5	836.4	716.4	607.2	522.0	445.2
52.5°	2545.3	2041.3	1611.7	1296.1	1081.3	918.0	771.6	655.2	547.2	466.8	396.0
55°	2542.9	1988.5	1536.1	1230.1	1016.5	852.0	708.0	592.8	495.6	421.2	360.0
57.5°	2506.9	1906.9	1455.7	1156.9	931.3	770.4	633.6	522.0	440.4	378.0	326.4
60°	2431.3	1802.5	1350.1	1050.1	824.4	669.6	541.2	445.2	379.2	331.2	297.6
62.5°	2289.7	1652.5	1218.1	901.2	680.4	538.8	427.2	364.8	315.6	286.8	271.2
63°	2247.7	1611.7	1161.7	865.2	646.8	508.8	403.2	338.4	302.4	277.2	262.8
65°	2038.9	1411.3	972.1	698.4	502.8	392.4	324.0	274.8	253.2	242.4	241.2
67.5°	1651.3	1110.1	687.6	478.8	342.0	283.2	248.4	228.0	218.4	216.0	218.4
70°	1159.3	700.8	436.8	318.0	253.2	228.0	212.4	204.0	198.0	199.2	201.6
72.5°	739.2	420.0	300.0	241.2	213.6	200.4	193.2	190.8	189.6	188.4	188.4
75°	421.2	279.6	230.4	208.8	194.4	183.6	177.6	175.2	176.4	177.6	175.2
77.5°	278.4	230.4	205.2	190.8	177.6	165.6	162.0	160.8	163.2	165.6	165.6
80°	219.6	205.2	190.8	176.4	154.8	146.4	148.8	150.0	148.8	150.0	146.4
82.5°	154.8	152.4	156.0	150.0	128.4	121.2	118.8	120.0	117.6	117.6	115.2
85°	72.0	72.0	75.6	75.6	73.2	74.4	80.4	87.6	91.2	87.6	82.8
87.5°	0.0	0.0	0.0	0.0	0.0	10.8	21.6	31.2	33.6	42.0	40.8
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: P181048

CATALOG NUMBER: ICS-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
2.5°	1278.1	1280.5	1279.3	1278.1	1280.5	1278.1	1279.3	1278.1	1278.1	1276.9	1276.9
5°	1318.9	1322.5	1315.3	1314.1	1311.7	1305.7	1305.7	1303.3	1303.3	1298.5	1294.9
7.5°	1345.3	1346.5	1340.5	1339.3	1333.3	1327.3	1322.5	1317.7	1316.5	1312.9	1305.7
10°	1370.5	1368.1	1363.3	1357.3	1351.3	1342.9	1336.9	1330.9	1329.7	1323.7	1315.3
12.5°	1392.1	1390.9	1381.3	1375.3	1365.7	1357.3	1350.1	1342.9	1339.3	1332.1	1320.1
15°	1406.5	1399.3	1387.3	1376.5	1365.7	1356.1	1347.7	1339.3	1335.7	1327.3	1315.3
17.5°	1400.5	1387.3	1371.7	1358.5	1344.1	1332.1	1324.9	1316.5	1310.5	1305.7	1288.9
20°	1378.9	1359.7	1335.7	1320.1	1300.9	1285.3	1280.5	1272.1	1267.3	1249.3	1227.7
22.5°	1322.5	1294.9	1264.9	1242.1	1220.5	1204.9	1192.9	1184.5	1172.5	1161.7	1128.1
25°	1251.7	1220.5	1189.3	1161.7	1132.9	1108.9	1087.3	1066.9	1060.9	1038.1	1005.7
27.5°	1183.3	1148.5	1117.3	1084.9	1047.7	1017.7	980.5	951.7	932.5	908.4	878.4
30°	1110.1	1075.3	1033.3	990.1	946.9	914.4	872.4	837.6	813.6	788.4	760.8
32.5°	1017.7	975.7	925.3	877.2	837.6	799.2	757.2	723.6	699.6	676.8	650.4
35°	912.0	856.8	802.8	750.0	708.0	675.6	638.4	613.2	596.4	576.0	548.4
37.5°	790.8	728.4	670.8	630.0	592.8	561.6	535.2	519.6	501.6	490.8	474.0
40°	668.4	607.2	550.8	513.6	482.4	464.4	450.0	446.4	434.4	420.0	409.2
42.5°	560.4	501.6	446.4	416.4	396.0	391.2	384.0	384.0	378.0	367.2	360.0
45°	487.2	426.0	378.0	356.4	345.6	344.4	340.8	340.8	339.6	334.8	326.4
47.5°	434.4	379.2	342.0	328.8	326.4	324.0	320.4	319.2	318.0	314.4	309.6
50°	386.4	339.6	315.6	309.6	310.8	307.2	303.6	300.0	298.8	295.2	290.4
52.5°	342.0	308.4	292.8	289.2	289.2	289.2	286.8	286.8	284.4	283.2	278.4
55°	316.8	291.6	283.2	282.0	280.8	279.6	277.2	277.2	274.8	273.6	267.6
57.5°	295.2	279.6	274.8	272.4	271.2	268.8	267.6	267.6	267.6	267.6	260.4
60°	278.4	271.2	270.0	267.6	266.4	261.6	259.2	258.0	259.2	260.4	253.2
62.5°	260.4	259.2	258.0	255.6	254.4	249.6	246.0	243.6	246.0	248.4	247.2
63°	255.6	254.4	254.4	253.2	252.0	246.0	242.4	240.0	242.4	244.8	244.8
65°	238.8	240.0	240.0	238.8	237.6	234.0	229.2	226.8	228.0	231.6	232.8
67.5°	220.8	222.0	220.8	222.0	220.8	218.4	214.8	212.4	211.2	212.4	213.6
70°	204.0	206.4	205.2	204.0	202.8	202.8	200.4	196.8	195.6	194.4	194.4
72.5°	189.6	189.6	187.2	187.2	186.0	186.0	183.6	180.0	178.8	178.8	176.4
75°	174.0	174.0	170.4	170.4	168.0	169.2	166.8	163.2	162.0	162.0	160.8
77.5°	164.4	160.8	154.8	153.6	152.4	152.4	151.2	147.6	146.4	146.4	145.2
80°	145.2	138.0	132.0	130.8	132.0	134.4	134.4	132.0	132.0	132.0	132.0
82.5°	112.8	110.4	106.8	104.4	104.4	108.0	112.8	115.2	117.6	120.0	120.0
85°	82.8	84.0	82.8	79.2	78.0	81.6	86.4	91.2	92.4	97.2	96.0
87.5°	44.4	45.6	42.0	40.8	44.4	46.8	51.6	52.8	55.2	56.4	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: ICS-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
2.5°	1275.7	1274.5	1275.7	1273.3	1273.3	1270.9	1268.5	1267.3	1264.9	1263.7	1261.3
5°	1297.3	1293.7	1290.1	1288.9	1284.1	1279.3	1275.7	1269.7	1264.9	1256.5	1254.1
7.5°	1311.7	1303.3	1298.5	1297.3	1290.1	1286.5	1278.1	1270.9	1263.7	1252.9	1249.3
10°	1317.7	1309.3	1300.9	1297.3	1288.9	1282.9	1274.5	1263.7	1257.7	1246.9	1244.5
12.5°	1324.9	1309.3	1296.1	1286.5	1274.5	1261.3	1252.9	1246.9	1238.5	1232.5	1230.1
15°	1311.7	1291.3	1270.9	1252.9	1233.7	1219.3	1210.9	1201.3	1191.7	1188.1	1188.1
17.5°	1275.7	1249.3	1214.5	1191.7	1171.3	1155.7	1144.9	1135.3	1134.1	1129.3	1131.7
20°	1201.3	1166.5	1132.9	1116.1	1104.1	1094.5	1083.7	1078.9	1075.3	1068.1	1065.7
22.5°	1098.1	1069.3	1045.3	1033.3	1023.7	1011.7	1002.1	987.7	984.1	976.9	973.3
25°	984.1	961.3	940.9	932.5	926.5	909.6	903.6	884.4	871.2	862.8	867.6
27.5°	870.0	853.2	834.0	823.2	819.6	804.0	798.0	776.4	765.6	765.6	753.6
30°	752.4	736.8	724.8	712.8	710.4	691.2	675.6	667.2	655.2	650.4	642.0
32.5°	642.0	626.4	616.8	610.8	601.2	585.6	570.0	555.6	536.4	529.2	525.6
35°	540.0	528.0	516.0	511.2	498.0	481.2	462.0	450.0	427.2	418.8	415.2
37.5°	462.0	447.6	439.2	426.0	412.8	394.8	380.4	369.6	361.2	357.6	357.6
40°	399.6	388.8	379.2	368.4	357.6	348.0	340.8	338.4	337.2	337.2	339.6
42.5°	352.8	343.2	338.4	332.4	328.8	328.8	327.6	328.8	330.0	331.2	334.8
45°	321.6	315.6	313.2	312.0	314.4	316.8	318.0	320.4	325.2	327.6	328.8
47.5°	304.8	300.0	298.8	300.0	303.6	308.4	313.2	316.8	320.4	321.6	322.8
50°	288.0	282.0	279.6	282.0	286.8	294.0	297.6	303.6	306.0	308.4	306.0
52.5°	273.6	268.8	267.6	267.6	272.4	277.2	282.0	286.8	288.0	288.0	286.8
55°	261.6	258.0	254.4	256.8	260.4	265.2	272.4	276.0	278.4	279.6	279.6
57.5°	252.0	248.4	244.8	247.2	250.8	255.6	262.8	266.4	268.8	272.4	273.6
60°	244.8	240.0	236.4	240.0	243.6	250.8	256.8	260.4	266.4	267.6	267.6
62.5°	237.6	232.8	226.8	230.4	230.4	234.0	240.0	244.8	250.8	253.2	253.2
63°	236.4	231.6	225.6	228.0	228.0	230.4	235.2	240.0	247.2	249.6	248.4
65°	226.8	225.6	219.6	219.6	217.2	219.6	223.2	228.0	231.6	235.2	235.2
67.5°	211.2	210.0	208.8	208.8	208.8	211.2	213.6	217.2	220.8	223.2	222.0
70°	193.2	193.2	193.2	194.4	194.4	196.8	198.0	196.8	200.4	202.8	201.6
72.5°	177.6	176.4	175.2	177.6	176.4	176.4	178.8	177.6	181.2	181.2	182.4
75°	160.8	159.6	159.6	160.8	158.4	156.0	157.2	157.2	158.4	158.4	160.8
77.5°	146.4	146.4	146.4	145.2	142.8	141.6	140.4	140.4	140.4	140.4	141.6
80°	133.2	133.2	133.2	132.0	129.6	127.2	124.8	123.6	122.4	116.4	116.4
82.5°	120.0	120.0	120.0	120.0	118.8	116.4	112.8	103.2	98.4	93.6	94.8
85°	94.8	97.2	99.6	103.2	102.0	102.0	94.8	82.8	75.6	70.8	72.0
87.5°	61.2	54.0	54.0	52.8	50.4	48.0	48.0	40.8	33.6	30.0	31.2
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: ICS-E04-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	0°
2.5°	1261.3	1258.9	1256.5	1256.5	1252.9	1252.9	1250.5	1255.3	1250.5	1246.9	1246.9	2.5°
5°	1251.7	1249.3	1242.1	1240.9	1236.1	1236.1	1236.1	1233.7	1233.7	1231.3	1230.1	5°
7.5°	1245.7	1239.7	1233.7	1230.1	1230.1	1227.7	1232.5	1230.1	1231.3	1231.3	1232.5	7.5°
10°	1240.9	1236.1	1233.7	1232.5	1232.5	1236.1	1239.7	1240.9	1239.7	1240.9	1240.9	10°
12.5°	1228.9	1231.3	1232.5	1237.3	1243.3	1250.5	1258.9	1260.1	1262.5	1262.5	1264.9	12.5°
15°	1190.5	1196.5	1203.7	1215.7	1231.3	1246.9	1262.5	1275.7	1287.7	1293.7	1298.5	15°
17.5°	1136.5	1142.5	1155.7	1168.9	1189.3	1212.1	1238.5	1261.3	1286.5	1309.3	1332.1	17.5°
20°	1063.3	1072.9	1076.5	1100.5	1124.5	1155.7	1186.9	1222.9	1266.1	1309.3	1353.7	20°
22.5°	968.5	979.3	996.1	1015.3	1040.5	1078.9	1116.1	1172.5	1230.1	1291.3	1360.9	22.5°
25°	862.8	874.8	889.2	909.6	934.9	975.7	1029.7	1089.7	1160.5	1240.9	1327.3	25°
27.5°	753.6	765.6	777.6	792.0	820.8	864.0	927.7	990.1	1068.1	1155.7	1256.5	27.5°
30°	644.4	645.6	652.8	670.8	700.8	757.2	804.0	882.0	963.7	1056.1	1172.5	30°
32.5°	524.4	523.2	531.6	547.2	576.0	630.0	687.6	763.2	843.6	960.1	1080.1	32.5°
35°	417.6	417.6	433.2	448.8	481.2	519.6	570.0	637.2	732.0	840.0	960.1	35°
37.5°	361.2	369.6	379.2	394.8	420.0	450.0	494.4	553.2	627.6	730.8	841.2	37.5°
40°	343.2	348.0	356.4	370.8	392.4	420.0	452.4	496.8	554.4	637.2	738.0	40°
42.5°	336.0	337.2	342.0	352.8	372.0	399.6	433.2	472.8	516.0	574.8	662.4	42.5°
45°	328.8	327.6	330.0	338.4	354.0	385.2	423.6	466.8	510.0	559.2	631.2	45°
47.5°	322.8	322.8	322.8	326.4	340.8	372.0	416.4	466.8	518.4	573.6	644.4	47.5°
50°	306.0	304.8	304.8	307.2	318.0	351.6	404.4	465.6	532.8	604.8	685.2	50°
52.5°	286.8	286.8	288.0	289.2	298.8	332.4	391.2	465.6	549.6	645.6	746.4	52.5°
55°	280.8	282.0	283.2	282.0	289.2	318.0	376.8	458.4	556.8	678.0	812.4	55°
57.5°	276.0	278.4	278.4	277.2	282.0	306.0	362.4	444.0	550.8	690.0	859.2	57.5°
60°	268.8	268.8	268.8	265.2	267.6	289.2	340.8	421.2	531.6	679.2	866.4	60°
62.5°	253.2	253.2	250.8	249.6	248.4	265.2	312.0	387.6	496.8	650.4	848.4	62.5°
63°	249.6	248.4	248.4	244.8	244.8	260.4	306.0	382.8	487.2	643.2	841.2	63°
65°	236.4	236.4	236.4	234.0	232.8	244.8	282.0	349.2	450.0	609.6	805.2	65°
67.5°	222.0	223.2	220.8	219.6	218.4	225.6	254.4	307.2	392.4	538.8	738.0	67.5°
70°	201.6	202.8	202.8	201.6	200.4	205.2	223.2	264.0	325.2	448.8	628.8	70°
72.5°	183.6	186.0	186.0	188.4	188.4	192.0	199.2	219.6	260.4	350.4	494.4	72.5°
75°	164.4	165.6	168.0	170.4	168.0	166.8	168.0	183.6	204.0	259.2	352.8	75°
77.5°	147.6	151.2	151.2	150.0	146.4	144.0	144.0	151.2	168.0	196.8	252.0	77.5°
80°	122.4	128.4	129.6	126.0	122.4	122.4	124.8	129.6	140.4	162.0	190.8	80°
82.5°	98.4	104.4	105.6	106.8	105.6	109.2	109.2	110.4	116.4	133.2	156.0	82.5°
85°	75.6	80.4	84.0	85.2	86.4	87.6	86.4	80.4	84.0	94.8	105.6	85°
87.5°	33.6	34.8	32.4	33.6	32.4	33.6	34.8	28.8	27.6	37.2	38.4	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: P181048

NUMBER: ICS-E04-LED-E1-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
1245.7	1245.7	1246.9	1244.5	1244.5	1245.7	1242.1
1226.5	1231.3	1231.3	1231.3	1228.9	1231.3	1232.5
1231.3	1234.9	1237.3	1237.3	1236.1	1240.9	1244.5
1237.3	1243.3	1245.7	1245.7	1245.7	1251.7	1260.1
1260.1	1264.9	1268.5	1268.5	1270.9	1278.1	1287.7
1302.1	1308.1	1308.1	1306.9	1314.1	1322.5	1333.3
1348.9	1365.7	1374.1	1372.9	1378.9	1389.7	1401.7
1393.3	1440.1	1460.5	1474.9	1480.9	1495.3	1498.9
1430.5	1508.5	1564.9	1612.9	1635.7	1650.1	1666.9
1417.3	1522.9	1623.7	1722.1	1791.7	1862.5	1892.5
1363.3	1495.3	1627.3	1771.3	1897.3	2023.3	2114.5
1297.3	1455.7	1633.3	1837.3	2036.5	2229.7	2383.3
1221.7	1418.5	1646.5	1898.5	2160.1	2413.3	2635.3
1126.9	1347.7	1614.1	1904.5	2212.9	2520.1	2808.2
1006.9	1251.7	1538.5	1861.3	2215.3	2566.9	2911.4
886.8	1130.5	1442.5	1798.9	2184.1	2577.7	2976.2
802.8	1022.5	1345.3	1719.7	2133.7	2560.9	3007.4
745.2	944.5	1258.9	1647.7	2079.7	2530.9	3012.2
740.4	910.8	1202.5	1594.9	2036.5	2504.5	3012.2
781.2	928.9	1183.3	1568.5	2018.5	2496.1	3014.6
858.0	1000.9	1218.1	1588.9	2032.9	2506.9	3025.4
950.5	1110.1	1311.7	1659.7	2094.1	2542.9	3049.4
1034.5	1236.1	1471.3	1796.5	2205.7	2634.1	3116.6
1083.7	1344.1	1640.5	1988.5	2396.5	2815.4	3251.0
1089.7	1404.1	1790.5	2197.3	2628.1	3023.0	3465.8
1084.9	1408.9	1809.7	2236.9	2677.3	3074.6	3540.2
1058.5	1410.1	1863.7	2376.1	2847.8	3291.8	3747.8
991.3	1371.7	1882.9	2485.3	3062.6	3577.4	4135.4
874.8	1262.5	1826.5	2487.7	3145.4	3737.0	4380.2
703.2	1054.9	1582.9	2263.3	2927.0	3579.8	4316.6
514.8	775.2	1196.5	1753.3	2388.1	2979.8	3697.4
342.0	501.6	806.4	1249.3	1712.5	2144.5	2661.7
235.2	310.8	471.6	751.2	1047.7	1257.7	1695.7
172.8	205.2	261.6	384.0	504.0	620.4	885.6
108.0	117.6	130.8	189.6	271.2	366.0	552.0
28.8	30.0	27.6	37.2	58.8	56.4	62.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)