

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: P181148

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181148  
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-SLR  
Description: ICON SITE SMALL LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
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

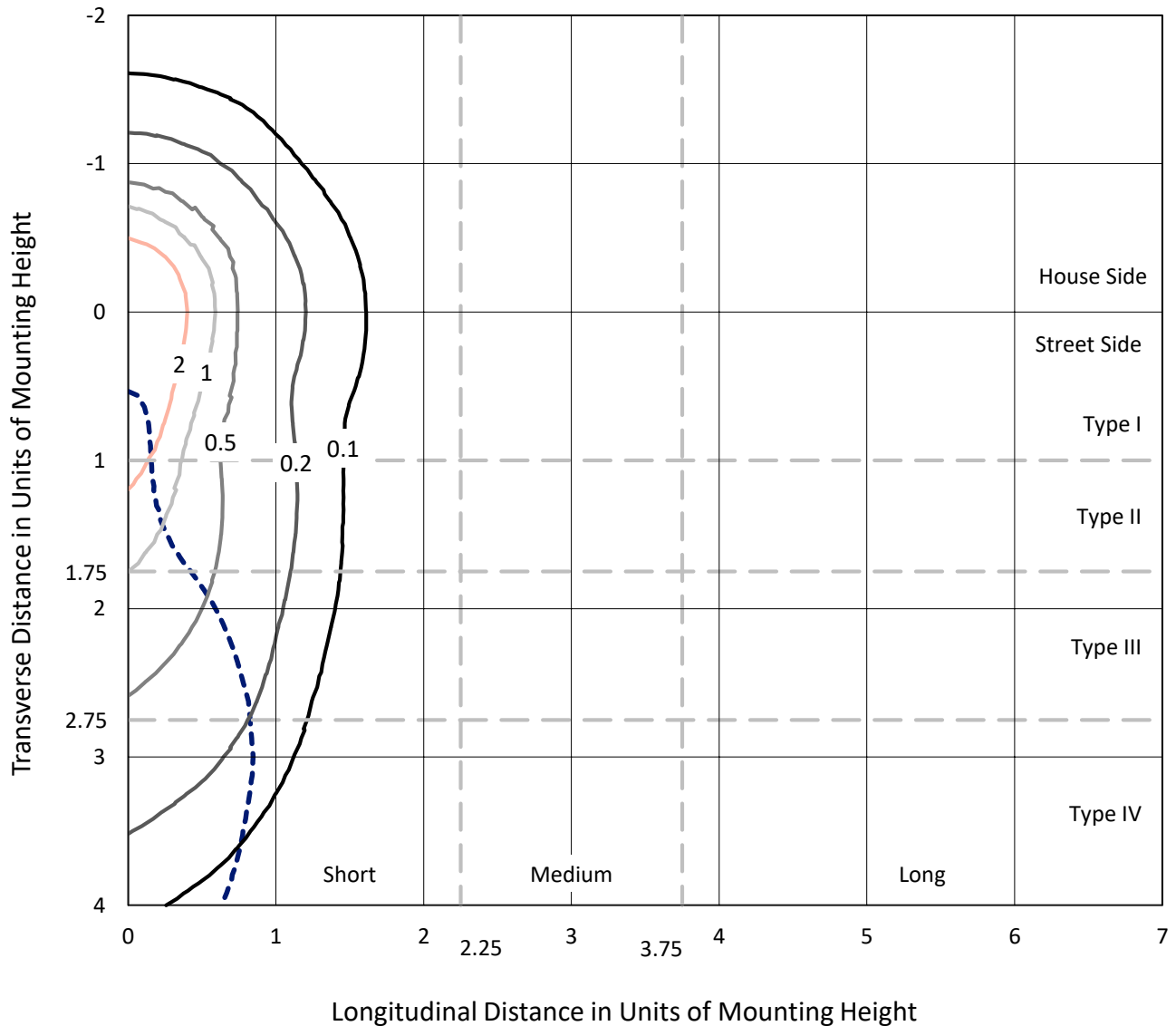
Input Watts (W): 97.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P181148  
 CATALOG NUMBER: ICS-E04-LED-E1-SLR

### Iso-Footcandle Lines of Horizontal Illumination

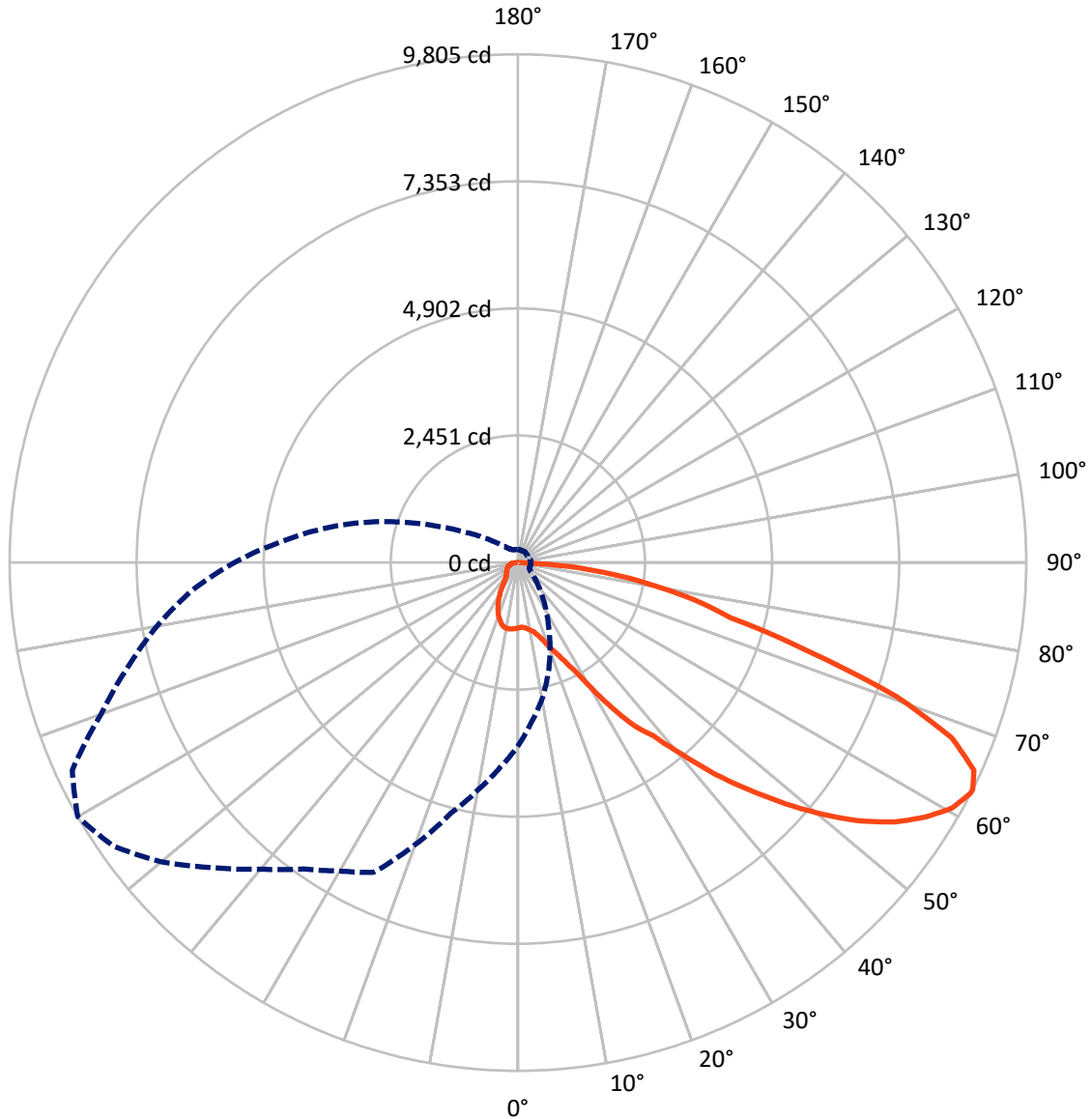
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P181148  
CATALOG NUMBER: ICS-E04-LED-E1-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P181148

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

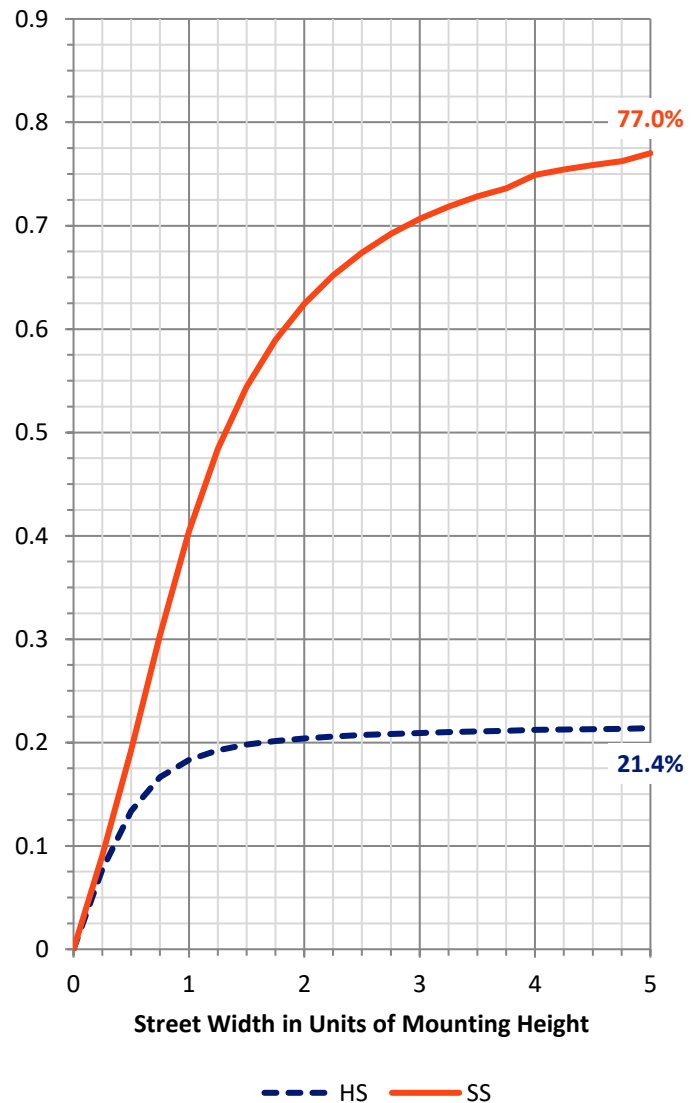
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2172.2	0.0	2172.2
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	7845.1	0.0	7845.1
	% Fixture	78.3	0.0	78.3
<b>Total</b>	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



REPORT NUMBER: P181148

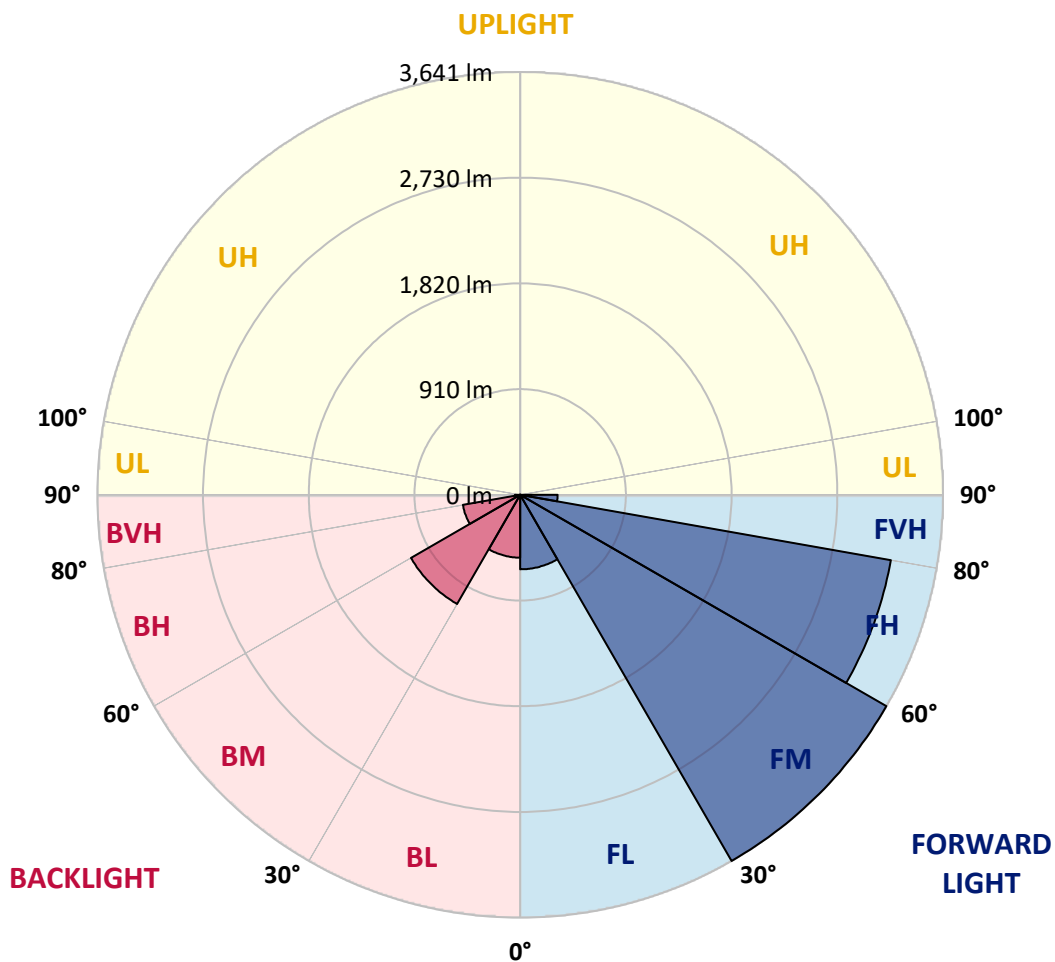
CATALOG NUMBER: ICS-E04-LED-E1-SLR

**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





REPORT NUMBER: P181148

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

**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	1245.7	1244.5	1244.5	1246.9	1245.7	1245.7	1246.9	1246.9	1250.5	1255.3
5°	1232.5	1231.3	1228.9	1231.3	1231.3	1231.3	1226.5	1230.1	1231.3	1233.7	1233.7
7.5°	1244.5	1240.9	1236.1	1237.3	1237.3	1234.9	1231.3	1232.5	1231.3	1231.3	1230.1
10°	1260.1	1251.7	1245.7	1245.7	1245.7	1243.3	1237.3	1240.9	1240.9	1239.7	1240.9
12.5°	1287.7	1278.1	1270.9	1268.5	1268.5	1264.9	1260.1	1264.9	1262.5	1262.5	1260.1
15°	1333.3	1322.5	1314.1	1306.9	1308.1	1308.1	1302.1	1298.5	1293.7	1287.7	1275.7
17.5°	1401.7	1389.7	1378.9	1372.9	1374.1	1365.7	1348.9	1332.1	1309.3	1286.5	1261.3
20°	1498.9	1495.3	1480.9	1474.9	1460.5	1440.1	1393.3	1353.7	1309.3	1266.1	1222.9
22.5°	1666.9	1650.1	1635.7	1612.9	1564.9	1508.5	1430.5	1360.9	1291.3	1230.1	1172.5
25°	1892.5	1862.5	1791.7	1722.1	1623.7	1522.9	1417.3	1327.3	1240.9	1160.5	1089.7
27.5°	2114.5	2023.3	1897.3	1771.3	1627.3	1495.3	1363.3	1256.5	1155.7	1068.1	990.1
30°	2383.3	2229.7	2036.5	1837.3	1633.3	1455.7	1297.3	1172.5	1056.1	963.7	882.0
32.5°	2635.3	2413.3	2160.1	1898.5	1646.5	1418.5	1221.7	1080.1	960.1	843.6	763.2
35°	2808.2	2520.1	2212.9	1904.5	1614.1	1347.7	1126.9	960.1	840.0	732.0	637.2
37.5°	2911.4	2566.9	2215.3	1861.3	1538.5	1251.7	1006.9	841.2	730.8	627.6	553.2
40°	2976.2	2577.7	2184.1	1798.9	1442.5	1130.5	886.8	738.0	637.2	554.4	496.8
42.5°	3007.4	2560.9	2133.7	1719.7	1345.3	1022.5	802.8	662.4	574.8	516.0	472.8
45°	3012.2	2530.9	2079.7	1647.7	1258.9	944.5	745.2	631.2	559.2	510.0	466.8
47.5°	3012.2	2504.5	2036.5	1594.9	1202.5	910.8	740.4	644.4	573.6	518.4	466.8
50°	3014.6	2496.1	2018.5	1568.5	1183.3	928.9	781.2	685.2	604.8	532.8	465.6
52.5°	3025.4	2506.9	2032.9	1588.9	1218.1	1000.9	858.0	746.4	645.6	549.6	465.6
55°	3049.4	2542.9	2094.1	1659.7	1311.7	1110.1	950.5	812.4	678.0	556.8	458.4
57.5°	3116.6	2634.1	2205.7	1796.5	1471.3	1236.1	1034.5	859.2	690.0	550.8	444.0
60°	3251.0	2815.4	2396.5	1988.5	1640.5	1344.1	1083.7	866.4	679.2	531.6	421.2
62.5°	3465.8	3023.0	2628.1	2197.3	1790.5	1404.1	1089.7	848.4	650.4	496.8	387.6
63°	3540.2	3074.6	2677.3	2236.9	1809.7	1408.9	1084.9	841.2	643.2	487.2	382.8
65°	3747.8	3291.8	2847.8	2376.1	1863.7	1410.1	1058.5	805.2	609.6	450.0	349.2
67.5°	4135.4	3577.4	3062.6	2485.3	1882.9	1371.7	991.3	738.0	538.8	392.4	307.2
70°	4380.2	3737.0	3145.4	2487.7	1826.5	1262.5	874.8	628.8	448.8	325.2	264.0
72.5°	4316.6	3579.8	2927.0	2263.3	1582.9	1054.9	703.2	494.4	350.4	260.4	219.6
75°	3697.4	2979.8	2388.1	1753.3	1196.5	775.2	514.8	352.8	259.2	204.0	183.6
77.5°	2661.7	2144.5	1712.5	1249.3	806.4	501.6	342.0	252.0	196.8	168.0	151.2
80°	1695.7	1257.7	1047.7	751.2	471.6	310.8	235.2	190.8	162.0	140.4	129.6
82.5°	885.6	620.4	504.0	384.0	261.6	205.2	172.8	156.0	133.2	116.4	110.4
85°	552.0	366.0	271.2	189.6	130.8	117.6	108.0	105.6	94.8	84.0	80.4
87.5°	62.4	56.4	58.8	37.2	27.6	30.0	28.8	38.4	37.2	27.6	28.8
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: P181148

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

**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°	1250.5	1252.9	1252.9	1256.5	1256.5	1258.9	1261.3	1261.3	1263.7	1264.9	1267.3
5°	1236.1	1236.1	1236.1	1240.9	1242.1	1249.3	1251.7	1254.1	1256.5	1264.9	1269.7
7.5°	1232.5	1227.7	1230.1	1230.1	1233.7	1239.7	1245.7	1249.3	1252.9	1263.7	1270.9
10°	1239.7	1236.1	1232.5	1232.5	1233.7	1236.1	1240.9	1244.5	1246.9	1257.7	1263.7
12.5°	1258.9	1250.5	1243.3	1237.3	1232.5	1231.3	1228.9	1230.1	1232.5	1238.5	1246.9
15°	1262.5	1246.9	1231.3	1215.7	1203.7	1196.5	1190.5	1188.1	1188.1	1191.7	1201.3
17.5°	1238.5	1212.1	1189.3	1168.9	1155.7	1142.5	1136.5	1131.7	1129.3	1134.1	1135.3
20°	1186.9	1155.7	1124.5	1100.5	1076.5	1072.9	1063.3	1065.7	1068.1	1075.3	1078.9
22.5°	1116.1	1078.9	1040.5	1015.3	996.1	979.3	968.5	973.3	976.9	984.1	987.7
25°	1029.7	975.7	934.9	909.6	889.2	874.8	862.8	867.6	862.8	871.2	884.4
27.5°	927.7	864.0	820.8	792.0	777.6	765.6	753.6	753.6	765.6	765.6	776.4
30°	804.0	757.2	700.8	670.8	652.8	645.6	644.4	642.0	650.4	655.2	667.2
32.5°	687.6	630.0	576.0	547.2	531.6	523.2	524.4	525.6	529.2	536.4	555.6
35°	570.0	519.6	481.2	448.8	433.2	417.6	417.6	415.2	418.8	427.2	450.0
37.5°	494.4	450.0	420.0	394.8	379.2	369.6	361.2	357.6	357.6	361.2	369.6
40°	452.4	420.0	392.4	370.8	356.4	348.0	343.2	339.6	337.2	337.2	338.4
42.5°	433.2	399.6	372.0	352.8	342.0	337.2	336.0	334.8	331.2	330.0	328.8
45°	423.6	385.2	354.0	338.4	330.0	327.6	328.8	328.8	327.6	325.2	320.4
47.5°	416.4	372.0	340.8	326.4	322.8	322.8	322.8	322.8	321.6	320.4	316.8
50°	404.4	351.6	318.0	307.2	304.8	304.8	306.0	306.0	308.4	306.0	303.6
52.5°	391.2	332.4	298.8	289.2	288.0	286.8	286.8	286.8	288.0	288.0	286.8
55°	376.8	318.0	289.2	282.0	283.2	282.0	280.8	279.6	279.6	278.4	276.0
57.5°	362.4	306.0	282.0	277.2	278.4	278.4	276.0	273.6	272.4	268.8	266.4
60°	340.8	289.2	267.6	265.2	268.8	268.8	268.8	267.6	267.6	266.4	260.4
62.5°	312.0	265.2	248.4	249.6	250.8	253.2	253.2	253.2	253.2	250.8	244.8
63°	306.0	260.4	244.8	244.8	248.4	248.4	249.6	248.4	249.6	247.2	240.0
65°	282.0	244.8	232.8	234.0	236.4	236.4	236.4	235.2	235.2	231.6	228.0
67.5°	254.4	225.6	218.4	219.6	220.8	223.2	222.0	222.0	223.2	220.8	217.2
70°	223.2	205.2	200.4	201.6	202.8	202.8	201.6	201.6	202.8	200.4	196.8
72.5°	199.2	192.0	188.4	188.4	186.0	186.0	183.6	182.4	181.2	181.2	177.6
75°	168.0	166.8	168.0	170.4	168.0	165.6	164.4	160.8	158.4	158.4	157.2
77.5°	144.0	144.0	146.4	150.0	151.2	151.2	147.6	141.6	140.4	140.4	140.4
80°	124.8	122.4	122.4	126.0	129.6	128.4	122.4	116.4	116.4	122.4	123.6
82.5°	109.2	109.2	105.6	106.8	105.6	104.4	98.4	94.8	93.6	98.4	103.2
85°	86.4	87.6	86.4	85.2	84.0	80.4	75.6	72.0	70.8	75.6	82.8
87.5°	34.8	33.6	32.4	33.6	32.4	34.8	33.6	31.2	30.0	33.6	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: P181148

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

**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°	1268.5	1270.9	1273.3	1273.3	1275.7	1274.5	1275.7	1276.9	1276.9	1278.1	1278.1
5°	1275.7	1279.3	1284.1	1288.9	1290.1	1293.7	1297.3	1294.9	1298.5	1303.3	1303.3
7.5°	1278.1	1286.5	1290.1	1297.3	1298.5	1303.3	1311.7	1305.7	1312.9	1316.5	1317.7
10°	1274.5	1282.9	1288.9	1297.3	1300.9	1309.3	1317.7	1315.3	1323.7	1329.7	1330.9
12.5°	1252.9	1261.3	1274.5	1286.5	1296.1	1309.3	1324.9	1320.1	1332.1	1339.3	1342.9
15°	1210.9	1219.3	1233.7	1252.9	1270.9	1291.3	1311.7	1315.3	1327.3	1335.7	1339.3
17.5°	1144.9	1155.7	1171.3	1191.7	1214.5	1249.3	1275.7	1288.9	1305.7	1310.5	1316.5
20°	1083.7	1094.5	1104.1	1116.1	1132.9	1166.5	1201.3	1227.7	1249.3	1267.3	1272.1
22.5°	1002.1	1011.7	1023.7	1033.3	1045.3	1069.3	1098.1	1128.1	1161.7	1172.5	1184.5
25°	903.6	909.6	926.5	932.5	940.9	961.3	984.1	1005.7	1038.1	1060.9	1066.9
27.5°	798.0	804.0	819.6	823.2	834.0	853.2	870.0	878.4	908.4	932.5	951.7
30°	675.6	691.2	710.4	712.8	724.8	736.8	752.4	760.8	788.4	813.6	837.6
32.5°	570.0	585.6	601.2	610.8	616.8	626.4	642.0	650.4	676.8	699.6	723.6
35°	462.0	481.2	498.0	511.2	516.0	528.0	540.0	548.4	576.0	596.4	613.2
37.5°	380.4	394.8	412.8	426.0	439.2	447.6	462.0	474.0	490.8	501.6	519.6
40°	340.8	348.0	357.6	368.4	379.2	388.8	399.6	409.2	420.0	434.4	446.4
42.5°	327.6	328.8	328.8	332.4	338.4	343.2	352.8	360.0	367.2	378.0	384.0
45°	318.0	316.8	314.4	312.0	313.2	315.6	321.6	326.4	334.8	339.6	340.8
47.5°	313.2	308.4	303.6	300.0	298.8	300.0	304.8	309.6	314.4	318.0	319.2
50°	297.6	294.0	286.8	282.0	279.6	282.0	288.0	290.4	295.2	298.8	300.0
52.5°	282.0	277.2	272.4	267.6	267.6	268.8	273.6	278.4	283.2	284.4	286.8
55°	272.4	265.2	260.4	256.8	254.4	258.0	261.6	267.6	273.6	274.8	277.2
57.5°	262.8	255.6	250.8	247.2	244.8	248.4	252.0	260.4	267.6	267.6	267.6
60°	256.8	250.8	243.6	240.0	236.4	240.0	244.8	253.2	260.4	259.2	258.0
62.5°	240.0	234.0	230.4	230.4	226.8	232.8	237.6	247.2	248.4	246.0	243.6
63°	235.2	230.4	228.0	228.0	225.6	231.6	236.4	244.8	244.8	242.4	240.0
65°	223.2	219.6	217.2	219.6	219.6	225.6	226.8	232.8	231.6	228.0	226.8
67.5°	213.6	211.2	208.8	208.8	208.8	210.0	211.2	213.6	212.4	211.2	212.4
70°	198.0	196.8	194.4	194.4	193.2	193.2	193.2	194.4	194.4	195.6	196.8
72.5°	178.8	176.4	176.4	177.6	175.2	176.4	177.6	176.4	178.8	178.8	180.0
75°	157.2	156.0	158.4	160.8	159.6	159.6	160.8	160.8	162.0	162.0	163.2
77.5°	140.4	141.6	142.8	145.2	146.4	146.4	146.4	145.2	146.4	146.4	147.6
80°	124.8	127.2	129.6	132.0	133.2	133.2	133.2	132.0	132.0	132.0	132.0
82.5°	112.8	116.4	118.8	120.0	120.0	120.0	120.0	120.0	120.0	117.6	115.2
85°	94.8	102.0	102.0	103.2	99.6	97.2	94.8	96.0	97.2	92.4	91.2
87.5°	48.0	48.0	50.4	52.8	54.0	54.0	61.2	57.6	56.4	55.2	52.8
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: P181148

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

**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°	1279.3	1278.1	1280.5	1278.1	1279.3	1280.5	1278.1	1281.7	1284.1	1280.5	1276.9
5°	1305.7	1305.7	1311.7	1314.1	1315.3	1322.5	1318.9	1321.3	1323.7	1322.5	1323.7
7.5°	1322.5	1327.3	1333.3	1339.3	1340.5	1346.5	1345.3	1348.9	1351.3	1357.3	1357.3
10°	1336.9	1342.9	1351.3	1357.3	1363.3	1368.1	1370.5	1377.7	1378.9	1383.7	1383.7
12.5°	1350.1	1357.3	1365.7	1375.3	1381.3	1390.9	1392.1	1402.9	1406.5	1407.7	1404.1
15°	1347.7	1356.1	1365.7	1376.5	1387.3	1399.3	1406.5	1417.3	1423.3	1425.7	1419.7
17.5°	1324.9	1332.1	1344.1	1358.5	1371.7	1387.3	1400.5	1416.1	1425.7	1428.1	1426.9
20°	1280.5	1285.3	1300.9	1320.1	1335.7	1359.7	1378.9	1402.9	1418.5	1430.5	1434.1
22.5°	1192.9	1204.9	1220.5	1242.1	1264.9	1294.9	1322.5	1357.3	1390.9	1419.7	1448.5
25°	1087.3	1108.9	1132.9	1161.7	1189.3	1220.5	1251.7	1291.3	1340.5	1400.5	1468.9
27.5°	980.5	1017.7	1047.7	1084.9	1117.3	1148.5	1183.3	1226.5	1280.5	1352.5	1440.1
30°	872.4	914.4	946.9	990.1	1033.3	1075.3	1110.1	1155.7	1208.5	1281.7	1377.7
32.5°	757.2	799.2	837.6	877.2	925.3	975.7	1017.7	1074.1	1130.5	1206.1	1303.3
35°	638.4	675.6	708.0	750.0	802.8	856.8	912.0	976.9	1038.1	1117.3	1220.5
37.5°	535.2	561.6	592.8	630.0	670.8	728.4	790.8	867.6	937.3	1023.7	1129.3
40°	450.0	464.4	482.4	513.6	550.8	607.2	668.4	750.0	834.0	928.9	1030.9
42.5°	384.0	391.2	396.0	416.4	446.4	501.6	560.4	639.6	732.0	835.2	938.5
45°	340.8	344.4	345.6	356.4	378.0	426.0	487.2	554.4	643.2	744.0	852.0
47.5°	320.4	324.0	326.4	328.8	342.0	379.2	434.4	498.0	579.6	672.0	782.4
50°	303.6	307.2	310.8	309.6	315.6	339.6	386.4	445.2	522.0	607.2	716.4
52.5°	286.8	289.2	289.2	289.2	292.8	308.4	342.0	396.0	466.8	547.2	655.2
55°	277.2	279.6	280.8	282.0	283.2	291.6	316.8	360.0	421.2	495.6	592.8
57.5°	267.6	268.8	271.2	272.4	274.8	279.6	295.2	326.4	378.0	440.4	522.0
60°	259.2	261.6	266.4	267.6	270.0	271.2	278.4	297.6	331.2	379.2	445.2
62.5°	246.0	249.6	254.4	255.6	258.0	259.2	260.4	271.2	286.8	315.6	364.8
63°	242.4	246.0	252.0	253.2	254.4	254.4	255.6	262.8	277.2	302.4	338.4
65°	229.2	234.0	237.6	238.8	240.0	240.0	238.8	241.2	242.4	253.2	274.8
67.5°	214.8	218.4	220.8	222.0	220.8	222.0	220.8	218.4	216.0	218.4	228.0
70°	200.4	202.8	202.8	204.0	205.2	206.4	204.0	201.6	199.2	198.0	204.0
72.5°	183.6	186.0	186.0	187.2	187.2	189.6	189.6	188.4	188.4	189.6	190.8
75°	166.8	169.2	168.0	170.4	170.4	174.0	174.0	175.2	177.6	176.4	175.2
77.5°	151.2	152.4	152.4	153.6	154.8	160.8	164.4	165.6	165.6	163.2	160.8
80°	134.4	134.4	132.0	130.8	132.0	138.0	145.2	146.4	150.0	148.8	150.0
82.5°	112.8	108.0	104.4	104.4	106.8	110.4	112.8	115.2	117.6	117.6	120.0
85°	86.4	81.6	78.0	79.2	82.8	84.0	82.8	82.8	87.6	91.2	87.6
87.5°	51.6	46.8	44.4	40.8	42.0	45.6	44.4	40.8	42.0	33.6	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



REPORT NUMBER: P181148

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

**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°	1279.3	1278.1	1275.7	1272.1	1270.9	1268.5	1269.7	1266.1	1263.7	1261.3	1257.7
5°	1323.7	1323.7	1316.5	1316.5	1312.9	1311.7	1303.3	1299.7	1292.5	1294.9	1286.5
7.5°	1354.9	1358.5	1350.1	1348.9	1344.1	1342.9	1332.1	1328.5	1322.5	1320.1	1312.9
10°	1377.7	1377.7	1366.9	1358.5	1352.5	1346.5	1335.7	1330.9	1326.1	1327.3	1322.5
12.5°	1395.7	1387.3	1371.7	1359.7	1351.3	1345.3	1336.9	1333.3	1332.1	1340.5	1341.7
15°	1410.1	1398.1	1378.9	1370.5	1363.3	1362.1	1362.1	1365.7	1374.1	1389.7	1401.7
17.5°	1418.5	1411.3	1401.7	1399.3	1411.3	1418.5	1428.1	1438.9	1450.9	1472.5	1485.7
20°	1434.1	1438.9	1446.1	1455.7	1474.9	1492.9	1504.9	1520.5	1534.9	1561.3	1582.9
22.5°	1474.9	1502.5	1525.3	1544.5	1573.3	1598.5	1614.1	1635.7	1646.5	1664.5	1698.1
25°	1527.7	1584.1	1632.1	1672.9	1717.3	1743.7	1765.3	1792.9	1809.7	1839.7	1869.7
27.5°	1512.1	1592.5	1664.5	1740.1	1801.3	1869.7	1917.7	1963.3	1992.1	2036.5	2076.1
30°	1464.1	1560.1	1657.3	1756.9	1854.1	1952.5	2043.7	2126.5	2190.1	2253.7	2318.5
32.5°	1399.3	1509.7	1628.5	1750.9	1878.1	2014.9	2140.9	2265.7	2371.3	2463.7	2553.7
35°	1324.9	1449.7	1573.3	1724.5	1881.7	2055.7	2230.9	2403.7	2564.5	2727.7	2838.2
37.5°	1236.1	1363.3	1501.3	1675.3	1860.1	2074.9	2298.1	2523.7	2751.7	2971.4	3162.2
40°	1141.3	1270.9	1416.1	1604.5	1813.3	2062.9	2341.3	2644.9	2958.2	3276.2	3529.4
42.5°	1057.3	1190.5	1348.9	1539.7	1766.5	2047.3	2376.1	2749.3	3132.2	3525.8	3897.8
45°	975.7	1122.1	1288.9	1494.1	1746.1	2059.3	2427.7	2846.6	3288.2	3765.8	4219.4
47.5°	902.4	1051.3	1213.3	1437.7	1716.1	2065.3	2478.1	2943.8	3435.8	3953.0	4491.8
50°	836.4	980.5	1140.1	1365.7	1669.3	2061.7	2523.7	3031.4	3563.0	4100.6	4701.9
52.5°	771.6	918.0	1081.3	1296.1	1611.7	2041.3	2545.3	3103.4	3680.6	4249.4	4871.1
55°	708.0	852.0	1016.5	1230.1	1536.1	1988.5	2542.9	3150.2	3774.2	4389.8	5034.3
57.5°	633.6	770.4	931.3	1156.9	1455.7	1906.9	2506.9	3171.8	3854.6	4529.0	5229.9
60°	541.2	669.6	824.4	1050.1	1350.1	1802.5	2431.3	3159.8	3901.4	4632.3	5396.7
62.5°	427.2	538.8	680.4	901.2	1218.1	1652.5	2289.7	3050.6	3827.0	4617.9	5474.7
63°	403.2	508.8	646.8	865.2	1161.7	1611.7	2247.7	3007.4	3791.0	4587.8	5463.9
65°	324.0	392.4	502.8	698.4	972.1	1411.3	2038.9	2785.4	3597.8	4376.6	5307.9
67.5°	248.4	283.2	342.0	478.8	687.6	1110.1	1651.3	2360.5	3122.6	3854.6	4805.1
70°	212.4	228.0	253.2	318.0	436.8	700.8	1159.3	1760.5	2420.5	3055.4	3909.8
72.5°	193.2	200.4	213.6	241.2	300.0	420.0	739.2	1146.1	1646.5	2178.1	2838.2
75°	177.6	183.6	194.4	208.8	230.4	279.6	421.2	700.8	1070.5	1430.5	1915.3
77.5°	162.0	165.6	177.6	190.8	205.2	230.4	278.4	403.2	615.6	843.6	1154.5
80°	148.8	146.4	154.8	176.4	190.8	205.2	219.6	261.6	350.4	462.0	624.0
82.5°	118.8	121.2	128.4	150.0	156.0	152.4	154.8	162.0	195.6	213.6	319.2
85°	80.4	74.4	73.2	75.6	75.6	72.0	72.0	70.8	78.0	88.8	152.4
87.5°	21.6	10.8	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



REPORT NUMBER: P181148  
 CATALOG NUMBER: ICS-E04-LED-E1-SLR

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°	1255.3	1254.1	1255.3	1249.3	1249.3	1248.1	1246.9	1244.5	1244.5	1239.7	1243.3	2.5°
5°	1279.3	1276.9	1272.1	1264.9	1261.3	1256.5	1256.5	1251.7	1248.1	1243.3	1244.5	5°
7.5°	1306.9	1308.1	1299.7	1293.7	1291.3	1286.5	1287.7	1280.5	1281.7	1278.1	1275.7	7.5°
10°	1322.5	1322.5	1324.9	1323.7	1326.1	1326.1	1329.7	1324.9	1322.5	1318.9	1318.9	10°
12.5°	1347.7	1352.5	1362.1	1362.1	1369.3	1371.7	1372.9	1375.3	1370.5	1368.1	1359.7	12.5°
15°	1410.1	1422.1	1430.5	1442.5	1456.9	1461.7	1461.7	1456.9	1454.5	1450.9	1435.3	15°
17.5°	1513.3	1539.7	1546.9	1566.1	1568.5	1574.5	1591.3	1581.7	1575.7	1550.5	1545.7	17.5°
20°	1618.9	1652.5	1686.1	1710.1	1722.1	1746.1	1749.7	1744.9	1720.9	1696.9	1686.1	20°
22.5°	1746.1	1796.5	1834.9	1872.1	1890.1	1902.1	1928.5	1922.5	1903.3	1867.3	1852.9	22.5°
25°	1926.1	1988.5	2029.3	2074.9	2098.9	2110.9	2137.3	2137.3	2116.9	2106.1	2104.9	25°
27.5°	2152.9	2229.7	2296.9	2312.5	2374.9	2389.3	2414.5	2414.5	2395.3	2382.1	2445.7	27.5°
30°	2404.9	2485.3	2601.7	2679.7	2755.3	2829.8	2828.6	2833.4	2856.2	2868.2	2895.8	30°
32.5°	2656.9	2756.5	2880.2	3049.4	3211.4	3349.4	3528.2	3642.2	3607.4	3510.2	3471.8	32.5°
35°	2963.0	3073.4	3223.4	3393.8	3690.2	3869.0	3955.4	4016.6	4023.8	4037.0	4064.6	35°
37.5°	3303.8	3488.6	3662.6	3855.8	4020.2	4237.4	4437.8	4598.7	4635.9	4711.5	4668.3	37.5°
40°	3734.6	3941.0	4123.4	4373.0	4593.8	4855.5	5142.3	5363.1	5451.9	5423.1	5207.1	40°
42.5°	4185.8	4441.4	4655.1	4949.1	5235.9	5581.5	5877.9	6186.3	6241.5	6019.5	5696.7	42.5°
45°	4601.1	4917.9	5183.1	5489.1	5839.5	6253.5	6649.6	6966.4	6955.6	6575.2	6143.1	45°
47.5°	4974.3	5363.1	5687.1	6085.5	6462.4	6955.6	7410.4	7644.4	7506.4	7056.4	6527.2	47.5°
50°	5282.7	5767.5	6167.1	6570.4	7049.2	7643.2	8081.2	8213.2	7946.8	7457.2	6900.4	50°
52.5°	5531.1	6139.5	6588.4	7052.8	7657.6	8282.9	8659.7	8610.5	8266.0	7763.2	7208.8	52.5°
55°	5741.1	6423.9	6959.2	7507.6	8257.6	8833.7	9084.5	8952.5	8471.3	7961.2	7420.0	55°
57.5°	5958.3	6700.0	7300.0	7936.0	8771.3	9265.7	9404.9	9133.7	8568.5	8036.8	7511.2	57.5°
60°	6175.5	6930.4	7601.2	8310.5	9160.1	9618.5	9580.1	9174.5	8539.7	7981.6	7450.0	60°
62.5°	6321.9	7067.2	7776.4	8540.9	9451.7	9798.5	9563.3	9029.3	8372.9	7764.4	7267.6	62.5°
63°	6325.5	7072.0	7787.2	8556.5	9484.1	9804.5	9530.9	8977.7	8320.1	7720.0	7213.6	63°
65°	6249.9	6982.0	7691.2	8485.7	9456.5	9666.5	9251.3	8672.9	8018.8	7412.8	6932.8	65°
67.5°	5863.5	6610.0	7236.4	7985.2	8962.1	9022.1	8502.5	8035.6	7447.6	6820.0	6318.3	67.5°
70°	5084.7	5705.1	6319.5	6944.8	7764.4	7753.6	7265.2	7027.6	6512.8	5797.5	5395.5	70°
72.5°	4044.2	4601.1	5033.1	5451.9	5991.9	5882.7	5568.3	5634.3	5300.7	4766.7	4527.8	72.5°
75°	3002.6	3614.6	3825.8	3996.2	4224.2	4225.4	4311.8	4499.0	4494.2	4197.8	3896.6	75°
77.5°	1969.3	2638.9	2709.7	2846.6	3120.2	3492.2	3876.2	4289.0	4392.2	4158.2	3713.0	77.5°
80°	1098.1	1794.1	1712.5	1830.1	2125.3	2630.5	3197.0	3653.0	3921.8	3791.0	3319.4	80°
82.5°	561.6	1034.5	988.9	1152.1	1390.9	1830.1	2204.5	2554.9	2871.8	2853.8	2674.9	82.5°
85°	291.6	566.4	644.4	729.6	849.6	1006.9	1148.5	1250.5	1382.5	1615.3	1694.5	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	86.4	62.4	171.6	244.8	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°



IUMBER: P181148

NUMBER: ICS-E04-LED-E1-SLR

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1258.9	1258.9	1258.9	1258.9	1258.9	1258.9	1258.9
1244.5	1245.7	1243.3	1243.3	1244.5	1244.5	1242.1
1242.1	1242.1	1239.7	1237.3	1234.9	1234.9	1232.5
1269.7	1269.7	1261.3	1257.7	1251.7	1246.9	1244.5
1310.5	1303.3	1293.7	1286.5	1276.9	1266.1	1260.1
1351.3	1340.5	1328.5	1317.7	1305.7	1293.7	1287.7
1418.5	1404.1	1388.5	1375.3	1358.5	1340.5	1333.3
1521.7	1498.9	1478.5	1459.3	1429.3	1416.1	1401.7
1658.5	1624.9	1598.5	1566.1	1528.9	1516.9	1498.9
1824.1	1795.3	1742.5	1718.5	1681.3	1663.3	1666.9
2076.1	2038.9	1977.7	1954.9	1951.3	1911.7	1892.5
2404.9	2407.3	2350.9	2289.7	2256.1	2193.7	2114.5
2873.0	2840.6	2774.6	2712.1	2632.9	2515.3	2383.3
3439.4	3367.4	3258.2	3141.8	3001.4	2820.2	2635.3
3992.6	3866.6	3692.6	3498.2	3295.4	3069.8	2808.2
4478.6	4283.0	4022.6	3799.4	3512.6	3230.6	2911.4
4922.7	4680.3	4344.2	4055.0	3716.6	3354.2	2976.2
5352.3	5045.1	4633.5	4242.2	3859.4	3437.0	3007.4
5761.5	5365.5	4877.1	4411.4	3963.8	3491.0	3012.2
6075.9	5643.9	5095.5	4533.8	4035.8	3531.8	3012.2
6367.5	5879.1	5262.3	4629.9	4103.0	3559.4	3014.6
6594.4	6044.7	5370.3	4698.3	4155.8	3579.8	3025.4
6758.8	6152.7	5442.3	4740.3	4194.2	3608.6	3049.4
6874.0	6223.5	5481.9	4777.5	4241.0	3659.0	3116.6
6929.2	6354.3	5547.9	4851.9	4321.4	3765.8	3251.0
6887.2	6557.2	5736.3	4977.9	4433.0	3932.6	3465.8
6869.2	6594.4	5787.9	5005.5	4458.2	3968.6	3540.2
6728.8	6631.6	6000.3	5144.7	4578.2	4128.2	3747.8
6293.1	6485.2	6179.1	5379.9	4836.3	4515.8	4135.4
5729.1	6267.9	6146.7	5409.9	5000.7	4833.9	4380.2
5053.5	5611.5	5498.7	5010.3	4819.5	4837.5	4316.6
3977.0	4395.8	4321.4	4149.8	4188.2	4320.2	3697.4
3186.2	3129.8	2958.2	2970.2	3192.2	3347.0	2661.7
2602.9	2107.3	1884.1	1890.1	2277.7	2438.5	1695.7
2476.9	1993.3	1623.7	1418.5	1657.3	1596.1	885.6
1764.1	1767.7	1466.5	1191.7	1154.5	981.7	552.0
417.6	334.8	238.8	177.6	187.2	123.6	62.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)