

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: P180723

Luminaire Tested: **ICS-F01-LED-E1-SL3**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180723  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F01-LED-E1-SL3  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2255.9 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

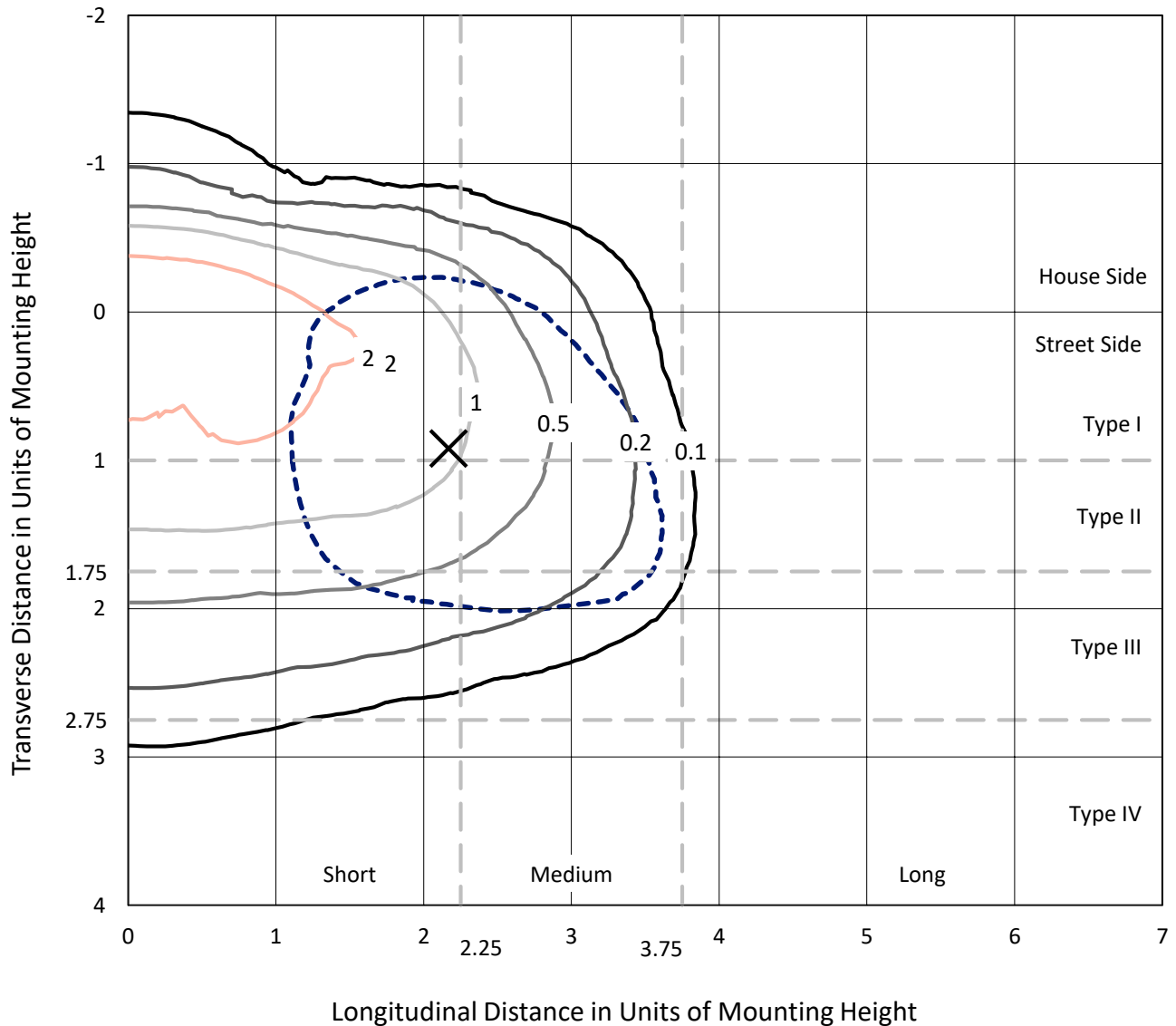
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P180723  
 CATALOG NUMBER: ICS-F01-LED-E1-SL3

### Iso-Footcandle Lines of Horizontal Illumination

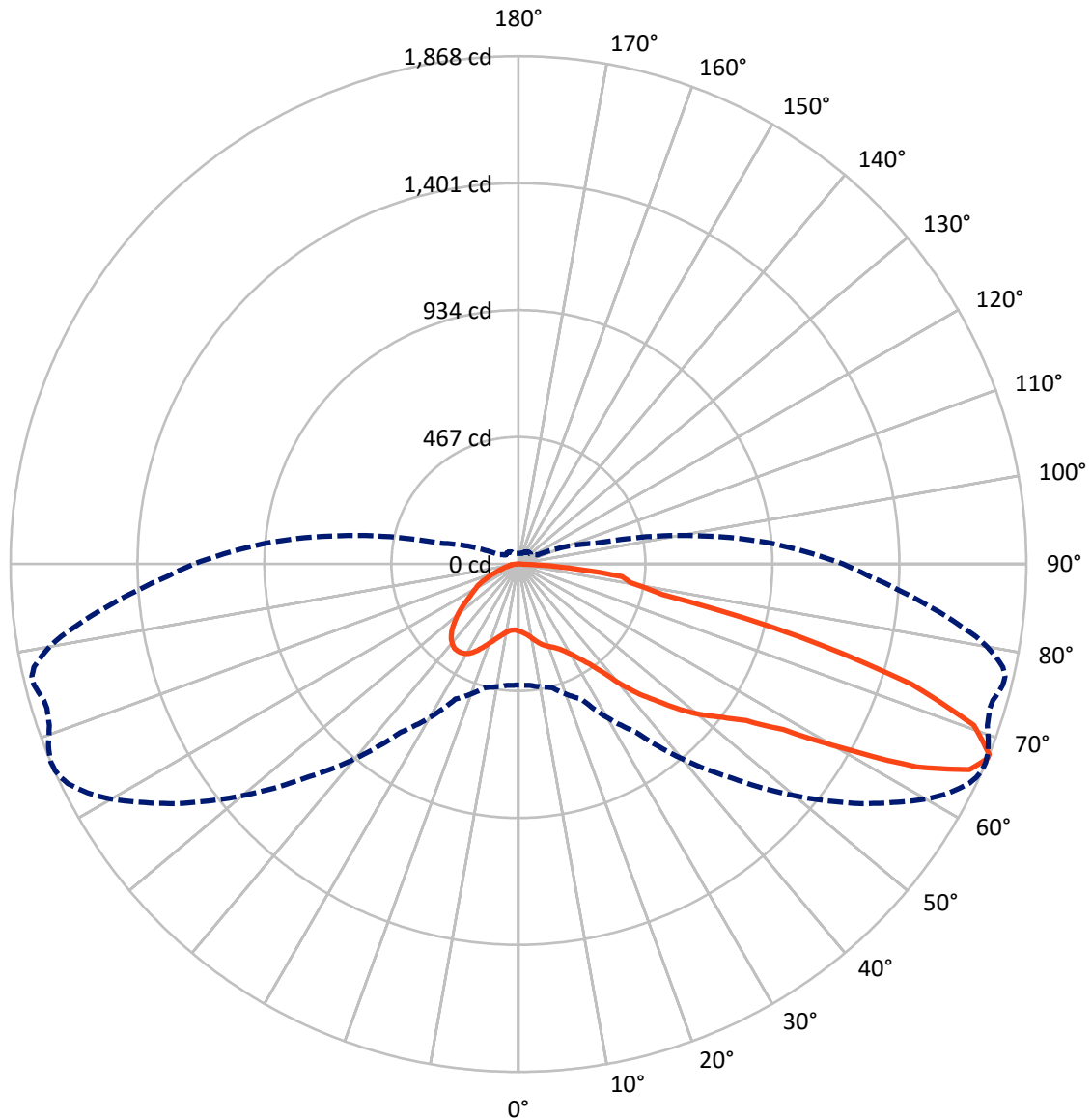
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P180723  
CATALOG NUMBER: ICS-F01-LED-E1-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

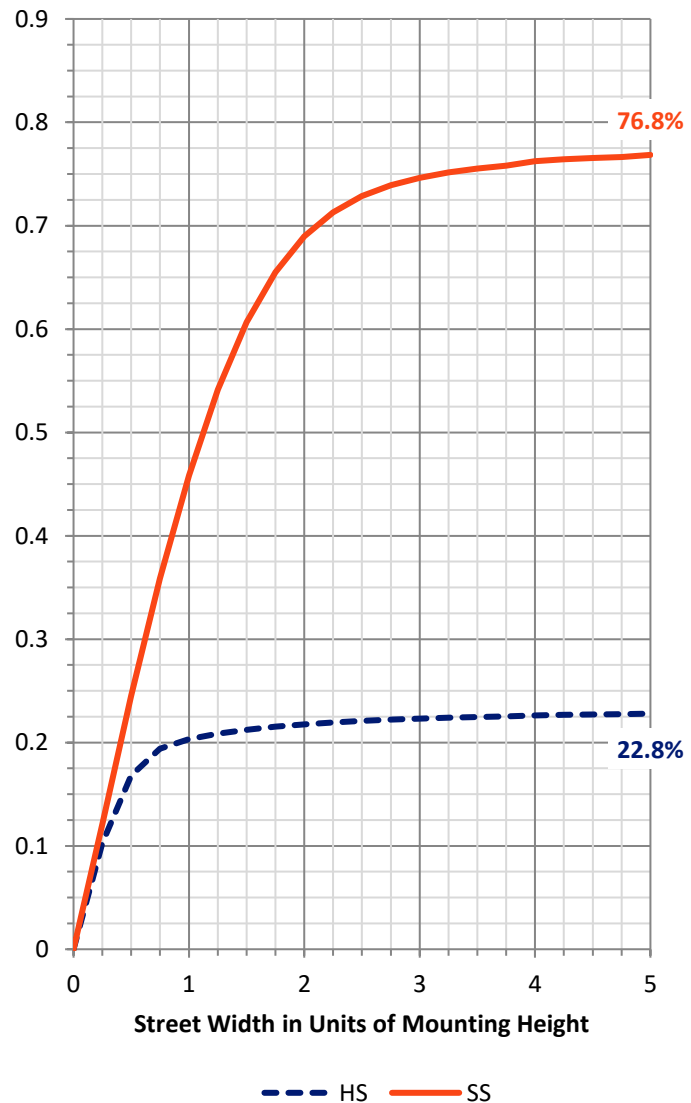
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	520.6	0.0	520.6
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	1735.3	0.0	1735.3
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	2255.9	0.0	2255.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.5	1.1
10°-20°	84.1	3.7
20°-30°	148.6	6.6
30°-40°	213.2	9.5
40°-50°	323.8	14.4
50°-60°	476.8	21.1
60°-70°	633.7	28.1
70°-80°	310.0	13.7
80°-90°	41.2	1.8
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°	2255.9	100.0
0°-180°	2255.9	100.0



REPORT NUMBER: P180723

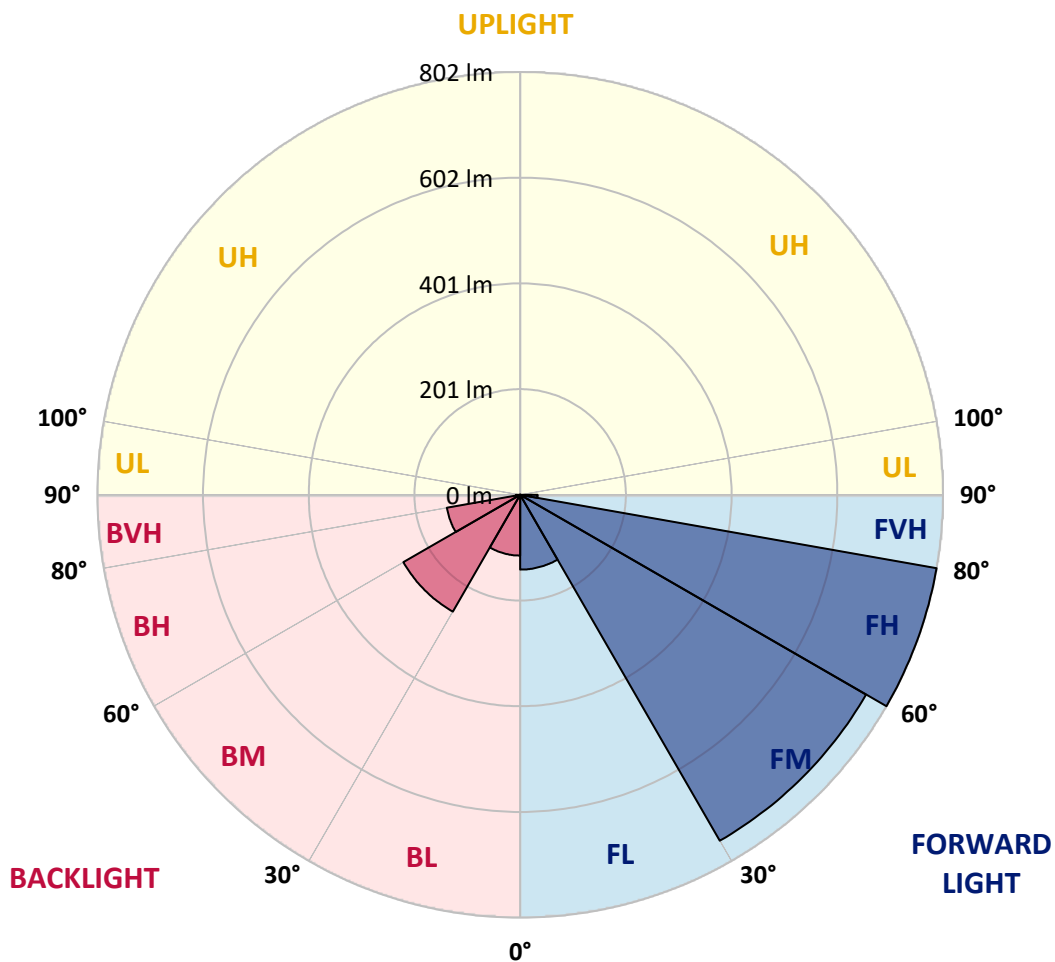
CATALOG NUMBER: ICS-F01-LED-E1-SL3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.9	6.3			
FM	(30°-60°)	757.9	33.6			
FH	(60°-80°)	802.4	35.6			G1/1800
FVH	(80°-90°)	33.1	1.5			G1/100
BL	(0°-30°)	115.3	5.1	B1/500		
BM	(30°-60°)	255.9	11.3	B1/1000		
BH	(60°-80°)	141.2	6.3	B1/500		G1/500
BVH	(80°-90°)	8.1	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	258.1	258.3	257.8	257.6	256.1	254.6	253.6	252.4	252.4	252.4	251.9
5°	272.7	271.7	272.4	270.7	267.7	265.0	262.3	260.1	259.6	259.6	258.6
7.5°	290.3	289.0	288.5	286.1	281.6	277.6	272.2	270.0	268.7	268.2	267.7
10°	311.6	311.6	308.4	304.1	298.2	291.3	285.3	281.4	281.1	281.1	278.9
12.5°	333.4	333.9	329.7	325.4	315.8	306.6	299.7	295.2	295.0	294.0	292.7
15°	353.4	352.2	349.5	343.3	332.6	321.7	313.1	308.6	307.6	306.6	305.9
17.5°	370.0	368.8	365.3	357.4	346.2	333.4	322.7	318.0	317.5	317.0	316.0
20°	380.4	379.4	374.5	365.3	353.7	340.5	329.2	325.9	324.9	324.9	324.4
22.5°	386.4	384.9	377.7	365.6	354.2	344.5	335.1	333.1	332.4	332.6	332.6
25°	389.3	388.1	377.9	360.6	349.7	347.0	343.0	341.8	342.0	342.3	342.8
27.5°	389.8	388.1	376.2	354.2	344.0	351.7	354.4	356.4	356.4	357.4	359.1
30°	386.1	384.1	372.7	349.2	341.5	361.1	372.0	377.2	379.2	378.7	382.7
32.5°	379.7	378.4	369.3	349.2	348.5	379.7	399.0	406.4	407.4	407.9	412.4
35°	377.5	377.2	373.2	361.1	370.0	412.4	441.8	447.5	448.8	448.8	452.0
37.5°	377.0	378.2	382.7	383.4	407.9	460.9	499.6	508.2	508.2	510.7	510.7
40°	377.0	379.7	396.5	416.6	454.2	524.1	577.6	587.5	587.5	590.2	588.7
42.5°	391.6	395.5	423.3	461.4	512.7	589.2	650.6	661.8	662.5	661.8	664.0
45°	420.3	423.8	457.4	512.2	572.9	659.1	720.5	733.8	731.1	732.9	733.6
47.5°	458.4	463.9	502.3	567.7	631.6	723.7	798.7	810.9	809.9	810.6	807.4
50°	499.1	504.8	547.6	622.6	690.0	775.7	861.6	879.7	878.0	879.2	881.0
52.5°	535.0	538.4	579.8	664.0	734.3	824.2	909.9	932.5	936.4	936.9	938.2
55°	556.3	560.5	598.4	684.6	766.5	871.8	965.2	999.4	1007.0	1009.0	1014.5
57.5°	563.7	568.2	602.6	687.5	784.1	916.4	1042.2	1102.4	1108.8	1119.5	1136.8
60°	563.5	568.2	598.1	680.8	802.0	971.6	1162.1	1262.9	1295.6	1306.5	1331.2
62.5°	540.4	545.9	576.3	660.5	824.7	1042.2	1340.4	1495.4	1537.5	1557.4	1584.1
65°	489.9	493.9	522.3	609.0	818.3	1111.8	1489.5	1682.9	1721.3	1750.3	1798.1
67°	445.1	447.5	469.8	548.1	755.4	1114.3	1536.6	1729.5	1762.9	1793.6	1842.9
67.5°	433.7	438.9	456.2	529.5	731.9	1100.2	1533.3	1722.3	1756.5	1788.4	1840.4
70°	352.9	360.4	369.0	418.3	575.3	925.5	1419.6	1598.0	1627.9	1657.7	1730.2
72.5°	217.7	231.1	232.8	264.0	374.5	639.7	1148.7	1347.6	1370.1	1391.4	1465.7
75°	128.3	130.3	136.5	161.7	219.7	382.4	770.8	1001.1	1021.9	1032.3	1090.5
77.5°	71.6	73.6	78.8	100.6	168.9	257.6	448.8	588.2	600.8	614.0	604.6
80°	29.7	32.4	34.9	40.6	79.0	203.3	308.6	374.0	382.2	389.8	399.5
82.5°	14.4	15.4	18.8	21.5	28.7	83.5	242.0	324.2	333.9	345.0	367.5
85°	6.7	7.4	10.4	12.4	13.9	21.1	81.0	157.8	171.1	173.6	178.1
87.5°	0.5	0.5	1.2	1.7	2.5	2.7	8.4	11.9	13.4	12.1	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	251.6	251.4	250.9	250.9	250.6	250.6	250.6	250.1	250.1	250.1	249.9
5°	258.3	258.1	257.3	257.3	256.8	256.8	256.1	255.8	255.3	255.3	255.1
7.5°	267.0	266.7	265.8	265.8	265.0	264.8	264.3	263.5	263.5	263.0	262.5
10°	278.9	278.1	277.9	276.6	276.9	276.4	275.9	275.2	274.7	274.2	273.7
12.5°	292.3	292.3	291.0	290.3	290.8	290.3	289.3	289.0	288.3	288.3	287.5
15°	304.9	304.9	304.4	303.4	303.6	302.9	302.7	302.2	301.2	301.4	301.2
17.5°	315.8	315.8	315.0	314.5	314.5	313.8	314.0	313.6	313.1	312.8	312.1
20°	324.4	324.4	324.0	323.5	323.7	323.7	323.0	323.0	323.0	322.5	322.5
22.5°	332.9	333.1	333.1	333.1	333.4	333.6	333.4	333.9	333.6	334.1	334.1
25°	344.0	344.8	345.3	345.3	346.5	346.7	347.0	347.7	347.7	348.5	348.7
27.5°	360.6	361.1	363.1	363.6	363.8	365.8	366.1	367.0	368.0	368.3	368.5
30°	383.4	384.6	386.1	387.1	387.1	389.6	390.6	390.1	392.8	393.5	394.5
32.5°	413.9	414.8	416.3	417.3	418.3	419.6	419.8	421.0	423.3	425.3	424.0
35°	452.2	454.7	452.2	455.0	455.7	457.4	457.0	458.4	459.4	460.2	459.9
37.5°	508.0	506.7	506.2	505.2	503.5	509.5	506.5	506.2	504.8	509.0	506.2
40°	581.3	582.0	582.8	578.8	576.6	576.6	575.8	573.1	571.9	575.6	575.1
42.5°	657.8	658.6	655.1	652.6	646.9	646.2	642.7	642.0	640.7	642.7	640.7
45°	727.4	727.9	720.2	721.5	717.0	717.8	712.3	714.5	711.6	713.5	717.3
47.5°	805.2	806.2	799.5	802.2	797.7	795.0	794.8	796.3	793.0	795.0	796.0
50°	875.8	874.5	871.1	871.8	869.8	870.3	867.3	870.1	866.4	870.3	869.8
52.5°	938.4	936.9	936.2	938.7	936.9	936.9	935.2	936.4	936.9	942.9	944.1
55°	1014.5	1015.7	1016.9	1021.4	1023.4	1020.2	1023.4	1029.6	1029.8	1043.9	1051.6
57.5°	1136.6	1145.2	1149.7	1152.4	1164.1	1162.8	1170.2	1185.1	1186.6	1219.3	1238.4
60°	1349.6	1364.9	1379.5	1371.6	1395.1	1402.3	1406.8	1434.5	1443.2	1474.1	1490.7
62.5°	1618.5	1620.3	1643.0	1635.9	1649.2	1646.0	1651.5	1664.1	1675.5	1701.0	1716.6
65°	1806.3	1814.4	1823.4	1814.2	1813.9	1803.0	1796.1	1795.9	1802.8	1808.2	1825.6
67°	1857.3	1865.5	1867.7	1861.0	1851.3	1837.5	1824.6	1817.9	1813.4	1815.9	1826.8
67.5°	1856.8	1864.5	1867.2	1860.8	1847.4	1835.7	1822.1	1814.4	1808.5	1809.7	1818.9
70°	1751.3	1767.9	1776.8	1778.8	1777.0	1756.7	1745.1	1738.2	1733.2	1721.1	1720.3
72.5°	1483.8	1503.9	1510.8	1521.9	1526.9	1496.9	1484.3	1492.0	1474.6	1436.2	1438.0
75°	1089.5	1091.0	1067.7	1063.3	1046.7	978.8	958.5	939.9	910.2	863.9	820.3
77.5°	567.9	567.7	540.9	527.3	507.5	466.6	464.6	431.4	408.2	365.8	350.5
80°	403.5	409.9	418.8	423.3	416.3	400.5	378.7	355.2	328.2	301.7	270.0
82.5°	375.2	379.2	383.9	366.6	356.9	334.6	318.0	283.8	264.8	234.5	202.6
85°	182.5	194.7	185.3	174.4	170.6	133.5	129.0	107.7	97.8	80.5	75.0
87.5°	11.6	14.4	12.9	11.6	10.2	5.7	7.7	5.4	5.7	4.2	3.7
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: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	249.9	249.7	249.4	249.2	248.9	248.9	248.7	248.4	248.2	247.7	247.7
5°	254.6	254.6	254.4	253.9	253.9	253.4	252.6	252.4	252.4	251.9	251.4
7.5°	262.3	262.0	261.5	261.3	260.8	260.3	259.8	259.3	259.1	258.3	258.1
10°	273.9	273.4	272.2	271.7	271.4	271.0	270.5	270.0	269.2	268.7	268.5
12.5°	287.1	286.8	285.8	286.3	285.1	284.6	284.1	282.8	283.3	282.3	281.8
15°	300.2	300.4	299.9	299.9	298.9	298.2	297.7	296.7	296.5	296.0	295.5
17.5°	311.8	312.3	311.6	311.1	310.6	310.1	309.1	308.1	308.1	307.1	306.6
20°	322.5	323.0	322.7	322.2	321.5	321.2	320.7	320.0	320.0	319.5	318.8
22.5°	334.6	334.9	334.9	334.6	333.9	334.1	333.6	332.9	333.1	332.1	332.1
25°	349.2	349.7	350.2	350.5	350.0	350.2	349.7	349.2	349.0	349.2	349.0
27.5°	369.3	369.8	371.3	370.0	371.3	371.5	370.8	369.8	370.5	371.8	371.0
30°	395.8	395.3	397.3	397.5	397.3	397.5	397.0	396.3	396.8	399.0	397.8
32.5°	425.5	426.5	427.0	427.5	428.2	429.2	428.5	427.7	429.0	428.2	430.0
35°	461.4	463.6	464.4	463.6	464.1	465.9	465.6	465.9	468.3	465.9	469.1
37.5°	506.7	509.0	510.7	509.7	510.9	510.9	512.9	518.4	514.9	519.4	522.8
40°	572.6	576.1	576.3	576.1	577.3	578.8	580.8	586.7	582.8	587.5	590.7
42.5°	640.5	644.7	646.2	643.7	646.4	649.6	649.9	655.1	655.3	656.1	657.8
45°	717.0	720.7	723.7	722.5	722.7	726.9	725.9	730.9	727.2	727.2	728.2
47.5°	798.5	802.0	803.9	805.9	803.4	807.2	808.9	807.9	803.4	802.5	796.5
50°	872.8	875.8	878.7	884.2	883.9	885.7	886.9	882.5	881.5	876.0	869.3
52.5°	951.6	959.2	965.9	977.3	979.0	985.0	982.8	975.3	974.1	965.2	956.3
55°	1061.3	1083.3	1093.0	1110.6	1122.4	1122.2	1117.2	1116.0	1106.6	1088.8	1078.1
57.5°	1252.2	1286.7	1303.2	1326.0	1329.7	1327.5	1321.1	1309.7	1293.3	1263.4	1244.1
60°	1527.9	1549.2	1568.5	1573.9	1576.7	1572.5	1549.9	1524.7	1492.7	1451.4	1416.9
62.5°	1736.2	1758.0	1772.3	1770.1	1753.0	1731.5	1698.5	1656.2	1611.3	1565.0	1513.5
65°	1842.2	1851.3	1849.1	1831.8	1802.5	1764.9	1716.9	1664.6	1611.8	1557.1	1503.6
67°	1836.5	1836.7	1821.6	1787.9	1750.5	1703.2	1644.5	1587.6	1525.7	1468.2	1404.5
67.5°	1826.3	1825.3	1804.3	1767.4	1727.0	1678.2	1617.3	1558.3	1494.2	1436.2	1370.4
70°	1711.4	1697.5	1650.0	1591.0	1534.8	1468.9	1405.0	1337.4	1265.1	1215.3	1139.5
72.5°	1406.3	1359.5	1277.5	1215.8	1155.6	1069.4	1029.6	945.6	894.8	863.1	805.9
75°	814.3	775.2	711.8	654.1	624.9	573.9	549.6	487.9	475.0	474.5	454.7
77.5°	310.8	271.2	230.3	185.5	157.8	125.3	110.5	98.8	89.9	96.1	87.2
80°	233.1	191.7	149.8	109.0	77.8	57.5	49.3	45.6	43.3	41.6	40.4
82.5°	173.6	137.0	106.3	69.3	48.5	36.7	31.7	29.7	28.7	27.0	25.5
85°	58.7	47.1	37.2	25.8	20.3	16.6	15.4	14.9	14.1	12.9	12.1
87.5°	3.2	3.0	3.2	2.5	3.0	2.5	2.7	2.7	2.7	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2.5°	247.4	247.4	247.4	246.9	246.2	244.7	243.2	242.0	240.7	240.0	239.5
5°	251.1	250.6	250.4	250.1	248.4	245.4	242.7	240.2	237.8	235.8	235.0
7.5°	257.8	256.8	256.6	255.8	253.6	249.2	245.2	241.2	237.8	235.0	233.8
10°	268.0	268.0	266.5	265.5	263.0	257.1	251.4	246.2	241.5	238.5	237.8
12.5°	280.9	280.9	279.6	278.9	275.9	268.2	261.3	255.1	250.6	247.7	247.4
15°	294.2	294.0	293.0	292.0	288.8	280.6	273.7	268.2	264.5	261.0	260.1
17.5°	306.1	306.1	304.9	303.9	300.7	293.7	287.5	283.6	279.4	272.2	266.7
20°	318.0	318.3	317.3	316.3	313.6	307.6	304.9	300.9	291.5	275.9	263.0
22.5°	331.1	332.1	330.9	329.9	327.7	325.2	324.2	314.8	295.0	270.0	251.1
25°	348.0	349.7	348.2	347.7	346.5	347.2	344.3	322.5	290.0	257.1	233.6
27.5°	371.0	371.0	371.3	371.3	370.8	373.5	362.6	322.7	279.1	240.5	212.5
30°	398.0	399.5	399.0	399.0	401.0	402.7	372.7	317.3	265.3	219.9	186.7
32.5°	430.5	431.7	432.2	430.0	437.9	429.0	376.5	307.4	248.2	194.4	156.0
35°	469.6	471.3	472.6	472.8	478.0	451.8	374.5	292.7	223.6	162.5	122.3
37.5°	520.6	524.1	526.8	528.0	528.3	471.1	369.0	273.4	191.7	126.8	91.1
40°	588.5	592.2	591.4	593.9	579.8	482.5	356.6	245.4	152.1	93.1	70.3
42.5°	653.9	654.3	655.3	653.1	624.4	488.4	339.3	211.3	113.9	69.6	60.2
45°	726.9	722.7	718.0	714.5	665.5	490.6	315.5	169.7	80.5	58.5	55.7
47.5°	795.5	789.8	780.2	770.3	702.1	487.2	285.1	127.1	61.2	53.5	52.8
50°	862.9	852.2	838.6	827.2	737.3	482.0	251.4	91.6	53.5	51.0	50.3
52.5°	946.4	928.5	910.7	895.8	783.1	473.8	216.0	69.6	50.3	49.0	48.0
55°	1060.8	1036.0	1007.3	986.5	845.3	461.4	178.8	58.9	48.8	47.8	46.3
57.5°	1219.3	1182.1	1149.7	1115.8	930.3	448.8	146.9	54.7	48.5	47.1	45.1
60°	1381.3	1336.7	1295.3	1246.8	1016.9	436.1	124.6	54.2	49.3	47.1	44.1
62.5°	1465.5	1419.4	1369.6	1320.3	1054.3	406.4	109.2	55.0	51.0	47.8	44.1
65°	1446.2	1389.9	1339.4	1289.1	1011.0	350.2	92.4	56.0	54.5	50.8	44.8
67°	1349.1	1290.4	1241.8	1193.8	914.4	293.2	79.3	57.0	58.2	54.2	46.3
67.5°	1314.9	1256.2	1208.4	1161.6	885.9	281.4	76.0	57.5	58.9	55.2	46.8
70°	1090.2	1047.2	996.4	960.2	717.3	208.3	62.4	58.5	63.4	60.9	49.0
72.5°	784.6	743.5	705.4	685.3	528.3	145.6	52.5	57.5	66.1	64.1	50.0
75°	417.1	414.6	400.7	410.6	326.9	95.1	46.3	53.7	63.2	58.7	46.6
77.5°	84.2	86.7	101.8	100.3	105.5	53.0	39.6	46.1	48.8	43.1	37.9
80°	39.1	38.4	37.6	38.1	37.4	33.9	32.2	36.2	33.9	27.7	25.3
82.5°	24.3	23.8	23.0	22.8	25.3	27.0	28.2	28.5	22.5	19.3	18.6
85°	11.6	11.6	11.4	11.9	14.9	22.0	23.8	21.1	15.1	13.9	13.1
87.5°	2.2	2.2	2.5	2.2	3.0	5.2	5.9	6.9	5.7	5.9	6.7
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: P180723

CATALOG NUMBER: ICS-F01-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	246.4	246.4	246.4
2.5°	239.0	238.5	238.5
5°	234.0	233.8	233.8
7.5°	232.8	233.1	232.8
10°	237.5	237.3	238.3
12.5°	247.9	248.7	248.4
15°	258.8	259.3	259.3
17.5°	262.0	260.3	260.1
20°	253.6	250.4	249.7
22.5°	237.8	231.8	232.1
25°	217.7	210.5	211.0
27.5°	194.4	186.7	186.5
30°	166.4	158.0	153.8
32.5°	132.8	122.6	122.6
35°	99.8	91.6	88.7
37.5°	75.8	71.1	69.6
40°	63.2	60.9	60.4
42.5°	57.5	56.7	56.5
45°	54.5	54.0	53.7
47.5°	51.8	51.5	51.3
50°	49.8	49.5	49.3
52.5°	48.0	47.6	47.3
55°	45.6	45.6	45.6
57.5°	44.1	44.1	43.8
60°	42.6	42.4	42.4
62.5°	41.4	40.9	41.1
65°	40.6	39.9	39.9
67°	40.1	38.6	38.6
67.5°	40.1	38.1	38.1
70°	39.4	36.2	35.7
72.5°	38.6	33.9	33.2
75°	36.7	32.2	31.5
77.5°	31.5	28.7	28.2
80°	24.3	21.1	21.5
82.5°	17.6	15.1	14.9
85°	12.6	10.9	10.9
87.5°	6.7	5.7	5.9
90°	0.0	0.0	0.0

(END OF REPORT)