

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: P181379

Luminaire Tested: **ICS-E01-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181379
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-T3-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1467.3 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

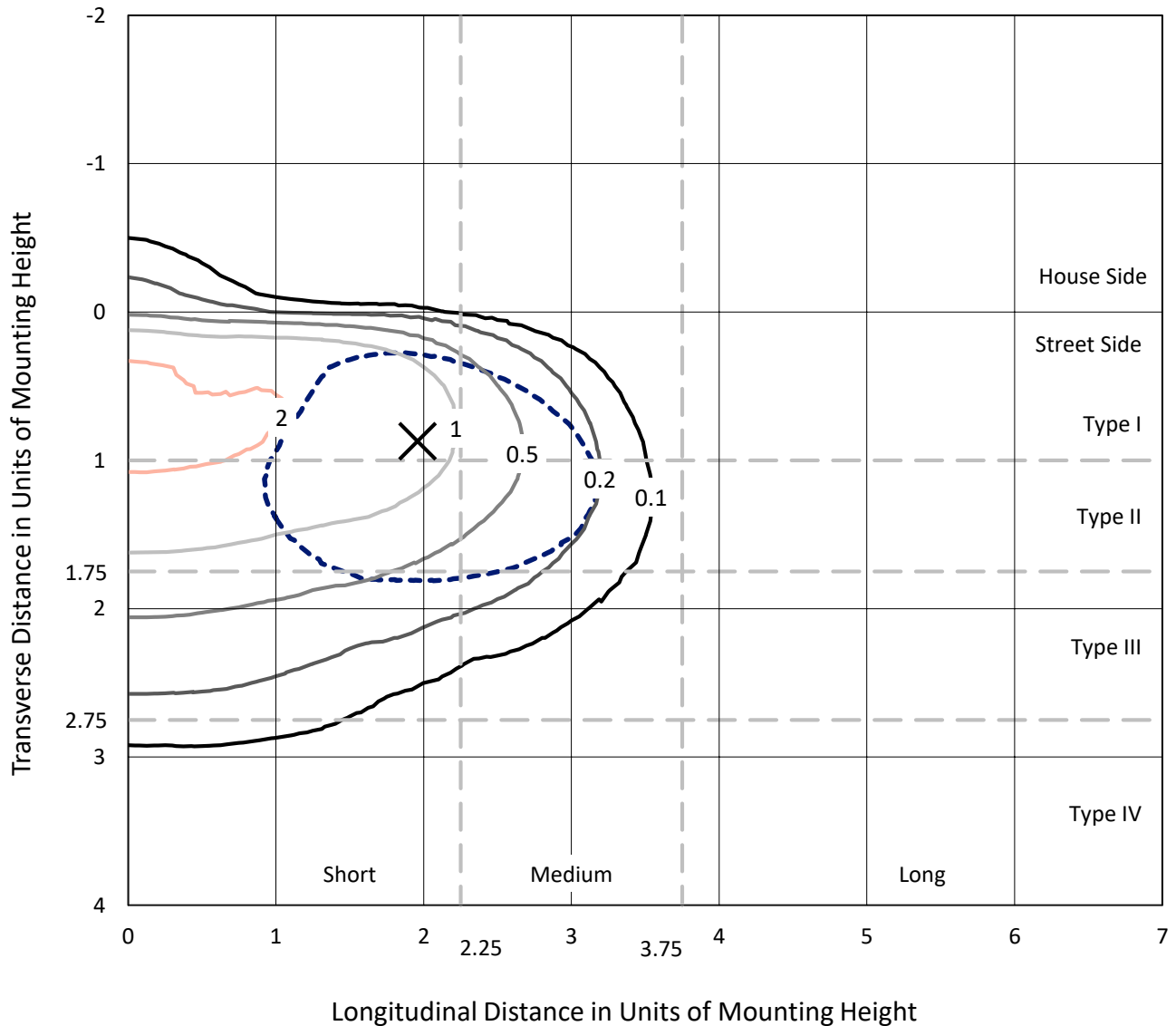
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P181379
 CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

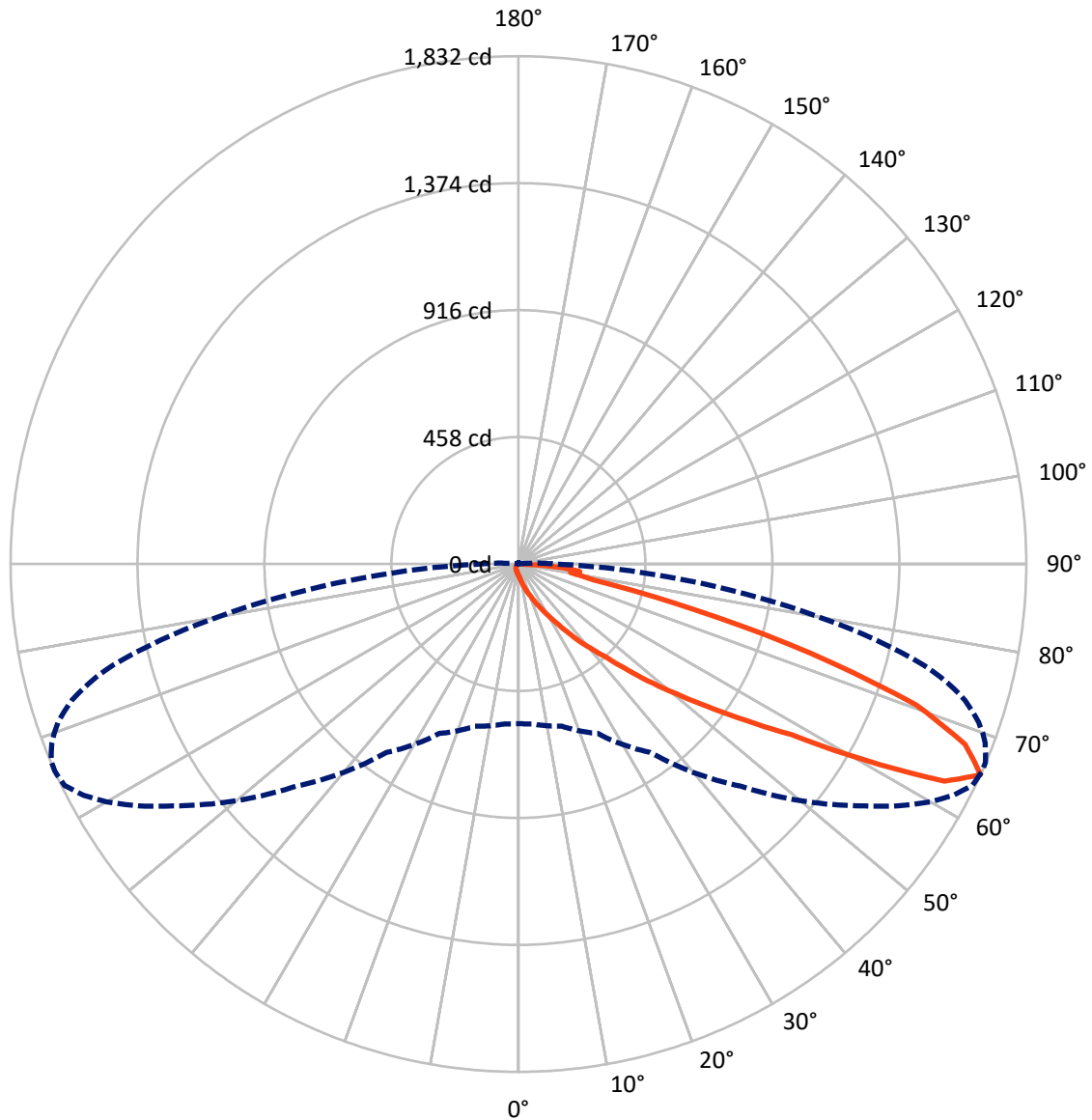
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P181379
CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

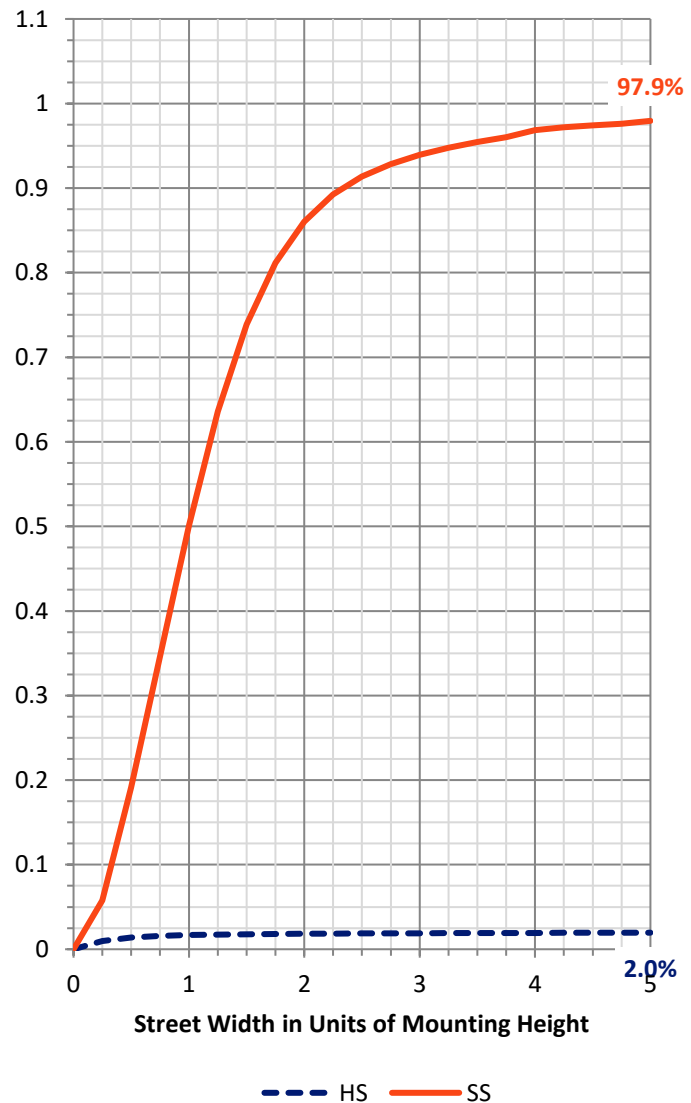
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.5	0.0	29.5
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1437.9	0.0	1437.9
	% Fixture	98.0	0.0	98.0
Total	Lumens	1467.3	0.0	1467.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	23.9	1.6
20°-30°	54.5	3.7
30°-40°	103.7	7.1
40°-50°	208.1	14.2
50°-60°	368.3	25.1
60°-70°	481.2	32.8
70°-80°	197.8	13.5
80°-90°	24.9	1.7
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°	1467.3	100.0
0°-180°	1467.3	100.0



REPORT NUMBER: P181379

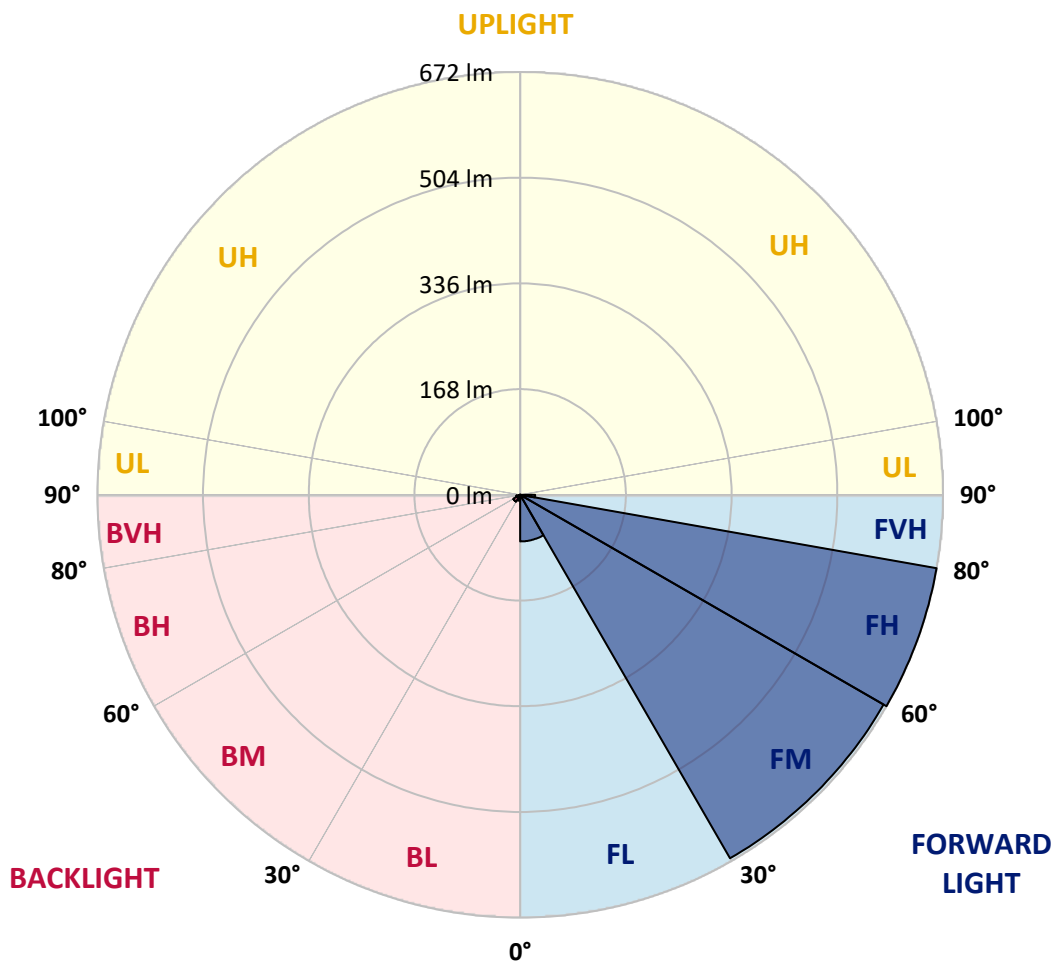
CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.1	5.1			
FM	(30°-60°)	667.4	45.5			
FH	(60°-80°)	672.5	45.8			G1/1800
FVH	(80°-90°)	23.8	1.6			G1/100
BL	(0°-30°)	9.2	0.6	B0/110		
BM	(30°-60°)	12.6	0.9	B0/220		
BH	(60°-80°)	6.5	0.4	B0/110		G0/110
BVH	(80°-90°)	1.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	54.0	53.1	53.4	51.6	50.4	48.9	47.7	47.4	47.1	46.5	46.8
5°	77.7	76.8	74.7	71.1	67.8	62.7	57.6	57.3	56.4	55.5	54.9
7.5°	108.0	106.5	104.1	98.1	90.0	81.0	70.8	69.9	68.7	67.5	66.3
10°	143.1	142.2	137.7	130.8	118.5	103.8	86.7	85.8	83.1	81.6	80.4
12.5°	180.0	176.1	174.3	162.3	148.2	128.1	106.2	102.9	100.8	98.7	95.7
15°	207.9	208.5	204.3	194.7	178.2	154.8	127.5	123.9	120.9	117.0	113.4
17.5°	233.1	231.9	227.4	221.4	205.8	182.1	150.3	145.5	140.7	138.6	133.5
20°	253.5	252.9	249.3	243.6	231.6	208.8	174.3	170.4	165.0	161.4	155.7
22.5°	269.7	269.7	267.6	264.3	252.6	234.3	199.8	195.6	190.2	185.7	179.4
25°	282.6	282.3	282.6	281.1	273.3	256.5	225.9	221.1	216.6	211.2	205.2
27.5°	297.3	297.9	297.3	296.4	293.1	279.6	252.3	249.0	243.9	238.2	232.2
30°	320.1	318.3	318.0	317.4	313.5	305.1	279.6	275.7	271.8	267.9	263.7
32.5°	344.1	341.1	340.2	340.2	337.5	330.0	311.1	309.0	303.3	300.3	296.7
35°	371.4	370.2	369.0	369.3	368.1	360.3	344.7	345.3	343.5	337.5	333.9
37.5°	411.3	411.6	409.5	405.6	405.6	398.7	389.7	388.5	384.0	382.5	380.4
40°	468.3	466.8	465.0	459.3	457.2	445.5	437.1	434.1	430.5	430.2	427.8
42.5°	534.3	532.5	532.5	528.3	524.1	510.0	494.1	492.0	488.1	489.3	488.4
45°	595.5	597.0	599.1	602.1	602.7	596.7	573.6	570.9	568.8	567.6	566.7
47.5°	648.3	651.0	657.9	670.8	687.3	689.4	671.1	663.9	662.4	660.3	658.5
50°	686.1	690.0	705.6	730.8	762.9	782.7	772.8	766.8	766.5	760.8	760.2
52.5°	707.7	711.9	737.4	775.5	825.3	864.0	876.3	876.0	875.4	870.3	868.2
55°	712.5	717.0	747.6	799.5	870.6	937.6	984.7	985.9	988.6	987.1	987.1
57.5°	699.3	705.0	738.3	802.5	894.3	995.8	1098.7	1105.6	1108.9	1120.6	1134.1
60°	675.0	679.2	712.5	784.2	898.5	1048.9	1246.9	1268.8	1285.9	1309.0	1330.9
62.5°	630.0	638.4	670.2	748.2	885.9	1110.1	1423.9	1464.4	1497.7	1532.8	1575.1
65°	575.4	579.0	606.0	674.1	829.5	1133.5	1521.7	1561.3	1603.9	1641.4	1679.2
67.5°	507.0	510.0	533.4	562.5	684.6	1024.0	1425.4	1469.2	1507.6	1538.5	1588.0
70°	332.1	338.7	396.0	424.8	478.5	756.9	1165.6	1207.9	1237.3	1258.3	1315.6
72.5°	243.3	247.5	270.6	330.0	343.2	447.3	820.2	866.1	876.9	916.5	943.3
75°	148.5	159.0	211.2	282.6	334.5	306.3	491.4	513.6	538.5	567.3	592.8
77.5°	30.0	34.2	69.0	194.7	294.3	327.3	293.4	297.6	309.9	312.6	322.2
80°	4.8	5.1	9.0	84.0	170.4	264.6	293.4	289.5	282.6	277.8	273.0
82.5°	2.1	2.4	3.9	21.3	36.3	88.2	253.8	273.6	296.4	309.0	312.3
85°	0.9	0.9	1.5	4.2	5.4	6.0	42.9	56.7	101.1	134.4	154.8
87.5°	0.6	0.6	0.9	0.9	1.2	1.5	2.1	2.1	2.4	2.7	3.9
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: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	46.8	46.5	46.5	45.6	45.6	45.3	45.3	45.0	45.0	44.4	44.7
5°	54.6	54.0	53.4	52.5	52.2	51.6	51.0	50.1	49.8	49.2	48.9
7.5°	65.1	64.5	63.3	61.5	60.3	59.1	57.9	56.7	55.8	54.9	54.3
10°	78.0	76.2	75.6	72.0	70.5	68.1	66.6	65.4	63.6	62.1	61.2
12.5°	93.6	92.1	89.1	84.3	81.9	79.8	77.1	74.7	72.9	70.2	68.4
15°	109.8	108.6	104.4	99.0	96.0	92.1	89.4	87.0	83.1	81.3	78.0
17.5°	130.2	126.6	122.4	114.6	110.7	107.4	102.6	99.0	96.6	91.2	88.2
20°	151.2	147.3	141.9	133.2	127.8	122.7	118.8	114.0	108.9	105.3	100.2
22.5°	175.2	168.9	164.7	153.9	147.6	142.2	135.6	130.5	125.4	119.7	114.0
25°	200.7	194.4	189.3	177.0	170.4	165.0	157.2	150.0	143.7	137.4	130.8
27.5°	227.4	221.7	216.0	203.4	197.7	190.2	183.0	174.6	166.5	160.8	151.8
30°	258.3	253.5	247.2	233.7	227.4	219.6	212.1	202.2	194.4	186.6	177.9
32.5°	291.6	287.7	281.1	269.1	261.6	255.0	246.9	237.3	226.2	218.1	207.9
35°	332.1	325.5	321.6	310.2	304.5	297.3	288.9	280.5	268.8	257.4	248.7
37.5°	378.3	375.3	370.2	359.4	355.2	347.7	342.3	333.9	324.9	310.5	301.2
40°	425.7	423.6	419.1	408.3	404.1	399.0	392.7	384.6	373.8	366.3	352.5
42.5°	486.0	482.7	479.1	468.9	460.8	454.5	451.8	444.9	433.5	423.9	413.1
45°	562.5	561.0	556.2	546.0	537.9	533.7	529.5	517.8	510.3	500.7	493.2
47.5°	654.9	650.1	647.7	636.3	633.6	630.3	619.5	612.9	602.1	594.6	585.3
50°	754.8	749.7	750.0	736.2	736.8	734.4	726.3	718.5	709.2	702.6	696.9
52.5°	862.2	864.6	858.6	862.8	858.0	852.6	851.1	841.5	833.4	833.1	825.3
55°	994.3	990.4	991.9	996.1	989.5	995.5	992.5	980.2	980.5	982.9	973.9
57.5°	1136.2	1141.9	1154.2	1156.9	1168.3	1160.5	1180.9	1166.2	1175.2	1175.2	1169.2
60°	1344.4	1367.2	1396.9	1420.0	1441.3	1434.4	1461.1	1444.3	1456.3	1446.1	1441.0
62.5°	1595.2	1625.5	1660.6	1698.1	1719.7	1725.1	1721.2	1728.7	1717.0	1709.5	1690.0
65°	1715.8	1745.8	1776.4	1821.4	1827.4	1831.9	1830.1	1817.5	1803.1	1781.8	1756.3
67.5°	1615.6	1657.6	1674.7	1726.6	1744.0	1737.7	1739.8	1723.6	1701.1	1680.1	1642.6
70°	1339.6	1387.6	1396.6	1471.0	1491.7	1521.7	1510.9	1506.1	1481.5	1463.8	1422.4
72.5°	975.4	1012.9	1009.9	1093.6	1090.0	1102.3	1131.4	1130.2	1104.4	1098.7	1063.9
75°	600.3	622.8	621.6	681.0	656.1	652.5	660.6	657.0	632.7	607.5	585.9
77.5°	318.0	328.2	317.4	299.7	297.9	277.8	272.1	271.8	253.2	230.4	213.6
80°	267.9	257.4	244.8	219.0	204.0	190.5	177.9	166.2	153.6	136.8	116.4
82.5°	312.9	307.8	298.8	266.4	250.8	223.8	203.7	184.8	161.7	144.3	118.2
85°	152.4	152.1	159.3	156.0	150.3	149.1	129.3	125.1	115.8	106.2	88.8
87.5°	4.2	3.0	3.6	3.0	3.6	3.9	2.7	6.3	3.9	3.6	4.2
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: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	44.4	44.1	43.8	43.8	43.5	43.5	43.2	42.9	42.9	42.6	42.6
5°	48.3	47.7	47.4	47.1	46.5	46.2	45.6	45.3	44.7	44.4	43.8
7.5°	53.1	52.5	51.3	50.7	49.8	49.5	48.0	47.4	46.8	46.2	45.3
10°	59.1	57.6	56.4	55.2	53.7	52.5	51.3	50.4	49.2	47.7	47.1
12.5°	66.6	64.5	62.7	60.6	58.8	57.0	54.9	53.4	51.6	50.1	48.6
15°	75.0	72.0	69.6	66.6	63.6	61.5	59.4	57.3	54.9	52.8	51.0
17.5°	84.6	80.7	77.4	73.8	70.5	67.5	63.9	61.2	58.5	55.5	53.1
20°	94.8	90.9	86.4	82.5	77.7	74.4	69.9	66.3	62.4	59.4	56.1
22.5°	108.3	103.2	97.5	92.1	87.0	81.9	77.1	72.6	67.8	63.3	60.0
25°	124.2	117.9	110.7	105.3	98.1	92.4	86.4	80.7	75.6	69.9	64.5
27.5°	144.0	135.6	127.8	120.3	112.5	105.3	97.5	90.9	84.0	77.4	71.4
30°	167.1	159.0	147.3	138.9	131.1	121.2	113.4	104.7	96.9	87.3	80.7
32.5°	197.7	187.2	174.9	163.8	153.6	142.5	131.7	120.6	110.4	101.7	91.8
35°	237.6	225.3	210.6	196.5	185.1	171.6	157.8	145.2	133.5	120.9	108.6
37.5°	288.0	276.6	260.7	243.6	228.3	212.1	197.7	180.0	164.4	149.1	133.5
40°	338.1	327.6	311.1	292.8	273.0	254.4	236.1	216.0	196.2	177.0	160.8
42.5°	399.9	384.3	366.6	345.9	326.7	304.5	281.7	258.6	234.9	211.8	188.7
45°	477.6	465.6	440.7	418.5	395.7	369.6	341.4	315.0	284.7	257.4	226.8
47.5°	572.1	550.5	532.2	511.8	483.3	458.1	422.1	390.9	353.1	316.8	280.2
50°	683.7	671.7	647.4	621.9	591.0	561.0	525.9	480.9	435.6	396.9	346.8
52.5°	814.2	797.1	781.8	755.4	723.9	685.5	645.6	596.7	541.2	486.6	433.2
55°	969.1	957.1	942.4	921.4	881.1	837.6	789.6	731.1	665.4	591.9	529.8
57.5°	1168.9	1156.3	1142.2	1099.0	1071.7	1018.3	948.7	888.0	817.2	723.0	645.9
60°	1441.6	1424.5	1404.7	1369.6	1312.6	1243.3	1168.6	1078.9	992.2	889.2	788.1
62.5°	1674.7	1647.4	1605.1	1559.8	1491.4	1411.9	1318.0	1212.4	1113.7	997.9	885.3
65°	1722.7	1685.2	1635.4	1576.3	1505.8	1416.1	1318.0	1216.9	1100.8	991.9	878.7
67.5°	1597.9	1554.4	1503.4	1437.4	1370.2	1277.8	1193.2	1090.3	981.1	886.8	785.7
70°	1392.7	1328.2	1276.0	1205.8	1137.7	1065.1	976.0	898.8	810.0	723.3	645.9
72.5°	1045.9	982.3	934.9	878.7	838.2	761.4	696.0	638.4	585.9	521.1	463.8
75°	563.7	516.0	484.2	458.7	422.4	371.7	340.5	300.9	278.7	251.7	225.6
77.5°	183.9	162.0	138.3	115.2	99.0	74.4	72.0	57.3	54.0	52.5	40.5
80°	94.2	72.6	52.5	37.8	28.8	25.5	24.3	23.1	21.9	21.0	19.5
82.5°	94.5	68.4	47.1	32.7	23.7	19.8	18.6	18.0	17.1	16.2	15.0
85°	69.0	51.0	35.1	24.0	16.5	13.2	12.6	11.7	11.1	10.8	9.6
87.5°	4.5	3.3	3.0	2.7	2.7	2.7	3.0	2.7	3.0	3.0	2.7
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: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	42.3	42.0	42.0	41.7	41.4	41.4	41.1	41.1	40.2	38.7	37.5
5°	43.5	42.9	42.6	42.3	42.0	41.4	41.1	40.8	39.3	36.3	33.9
7.5°	44.4	43.8	43.5	42.9	42.0	41.7	41.1	40.5	38.1	33.9	31.2
10°	45.9	45.0	44.1	43.2	42.3	41.7	40.8	40.2	36.6	31.8	29.1
12.5°	47.4	46.2	45.0	43.5	42.6	41.7	40.8	39.6	35.4	30.0	27.0
15°	49.2	47.4	45.9	44.4	42.9	41.7	40.2	39.3	34.2	28.5	25.8
17.5°	51.0	48.9	46.8	44.7	43.2	41.4	40.2	38.7	33.0	27.3	24.3
20°	53.1	50.1	48.0	45.6	43.5	41.4	39.6	38.1	31.8	25.8	22.8
22.5°	56.1	52.5	49.2	46.5	43.8	41.7	39.6	37.5	30.6	24.6	21.6
25°	60.0	55.5	51.6	48.3	45.0	42.3	39.9	37.8	29.7	23.7	20.1
27.5°	65.7	60.0	55.8	51.3	47.1	43.8	40.8	38.4	29.1	22.8	19.2
30°	72.6	66.9	60.3	54.9	50.4	45.9	42.6	39.0	28.5	21.9	18.0
32.5°	82.8	74.7	66.9	60.3	54.0	48.9	44.1	40.5	28.2	20.4	16.8
35°	97.5	86.4	77.1	68.4	59.7	53.4	47.7	42.9	27.9	19.2	15.6
37.5°	118.5	105.3	93.3	81.0	70.2	61.2	53.4	47.1	27.9	18.3	14.4
40°	141.0	123.9	108.6	93.3	79.5	68.1	57.6	49.8	27.3	17.1	13.2
42.5°	166.5	145.5	124.5	105.6	88.5	73.8	61.5	51.9	25.8	15.9	12.0
45°	200.7	173.1	147.9	123.6	101.4	82.2	66.6	54.3	24.3	15.0	10.8
47.5°	243.6	211.5	178.8	148.2	119.1	94.8	74.1	58.2	23.4	13.8	9.9
50°	307.5	261.9	218.7	179.7	142.8	111.0	85.2	63.9	22.5	12.9	9.0
52.5°	377.7	321.6	270.9	220.8	174.9	132.9	98.1	71.4	21.6	12.0	8.1
55°	463.2	394.2	332.4	267.3	208.5	158.4	114.0	79.8	20.4	11.1	7.5
57.5°	568.8	481.5	408.3	328.8	255.0	191.4	135.3	93.9	19.2	9.9	6.6
60°	686.7	588.0	495.9	402.6	313.2	235.2	166.8	114.0	18.0	8.7	5.7
62.5°	771.6	663.3	558.0	453.3	355.2	267.9	192.3	129.6	16.2	7.5	5.1
65°	770.7	660.9	555.0	451.8	356.4	269.1	193.2	132.6	14.4	6.6	4.5
67.5°	686.7	594.3	499.8	407.1	323.7	244.8	178.8	123.0	12.3	6.0	3.9
70°	564.9	491.4	416.7	343.2	276.3	209.7	154.5	107.1	10.5	5.4	3.3
72.5°	412.5	358.8	313.2	261.3	215.7	165.6	123.3	84.0	8.4	4.5	3.0
75°	204.9	183.3	157.2	141.0	120.3	98.4	76.5	48.9	6.9	3.6	2.7
77.5°	39.0	34.8	33.3	28.8	26.4	23.4	20.7	14.7	5.4	2.7	2.4
80°	18.0	16.5	15.0	13.5	12.0	10.2	9.0	7.8	4.2	2.1	2.7
82.5°	14.1	12.9	11.4	10.2	9.0	7.8	6.6	5.7	2.7	1.8	2.7
85°	9.3	8.1	7.2	6.3	5.4	4.8	4.2	3.6	1.8	1.8	1.8
87.5°	2.7	2.7	2.4	2.4	2.1	2.1	1.8	1.8	1.5	1.5	1.5
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: P181379

CATALOG NUMBER: ICS-E01-LED-E1-T3-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	36.3	34.8	34.2	33.9	33.9	34.2	33.9
5°	32.1	30.6	30.0	29.4	29.4	29.4	29.7
7.5°	29.4	27.9	27.0	26.7	26.4	26.7	26.7
10°	27.0	25.8	24.6	24.0	24.0	24.0	24.0
12.5°	25.2	23.7	22.5	22.2	21.9	21.9	21.9
15°	23.7	21.9	21.0	20.4	20.1	20.1	20.4
17.5°	21.9	20.4	19.2	18.9	18.9	18.9	18.9
20°	20.7	18.9	18.0	17.4	17.4	17.4	17.4
22.5°	19.2	17.7	16.5	15.9	15.9	15.9	15.9
25°	18.0	16.5	15.3	14.7	14.7	14.7	14.7
27.5°	16.8	15.3	14.1	13.5	13.5	13.5	13.5
30°	15.6	14.1	12.9	12.3	12.3	12.3	12.3
32.5°	14.7	12.9	11.7	11.1	11.1	11.4	11.1
35°	13.2	11.7	10.5	9.9	9.9	9.9	9.9
37.5°	12.0	10.5	9.3	8.7	8.7	8.7	8.4
40°	11.1	9.3	8.1	7.5	7.2	7.2	7.2
42.5°	9.6	7.8	6.9	6.3	6.0	6.0	6.0
45°	8.7	6.9	5.7	5.1	5.1	5.1	5.1
47.5°	7.8	6.0	4.8	4.2	4.2	4.5	4.5
50°	6.9	5.1	3.9	3.9	3.9	4.2	4.2
52.5°	6.0	4.5	3.6	3.6	3.9	4.2	4.2
55°	5.4	3.9	3.3	3.6	3.9	4.2	4.2
57.5°	4.8	3.3	3.3	3.6	3.9	4.2	4.2
60°	4.2	3.0	3.0	3.3	3.9	4.2	4.2
62.5°	3.6	3.0	3.0	3.3	3.9	4.2	4.2
65°	3.3	3.0	3.0	3.3	3.9	4.2	4.2
67.5°	3.0	2.7	3.0	3.3	3.6	3.9	3.9
70°	2.7	2.7	3.0	3.3	3.6	3.9	3.9
72.5°	2.7	2.7	2.7	3.0	3.3	3.6	3.6
75°	2.7	2.7	2.7	3.0	3.3	3.6	3.6
77.5°	2.7	2.4	2.4	2.7	3.3	3.6	3.6
80°	2.7	2.4	2.4	2.7	3.0	3.6	3.6
82.5°	2.1	2.1	2.4	2.7	3.0	3.3	3.3
85°	1.8	2.1	2.1	2.4	2.7	3.3	3.3
87.5°	1.5	1.5	1.8	2.1	2.4	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)