

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: P180643

Luminaire Tested: **ICS-F03-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180643  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-F03-LED-E1-SL3-HSS  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3864.8 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 78.3  
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

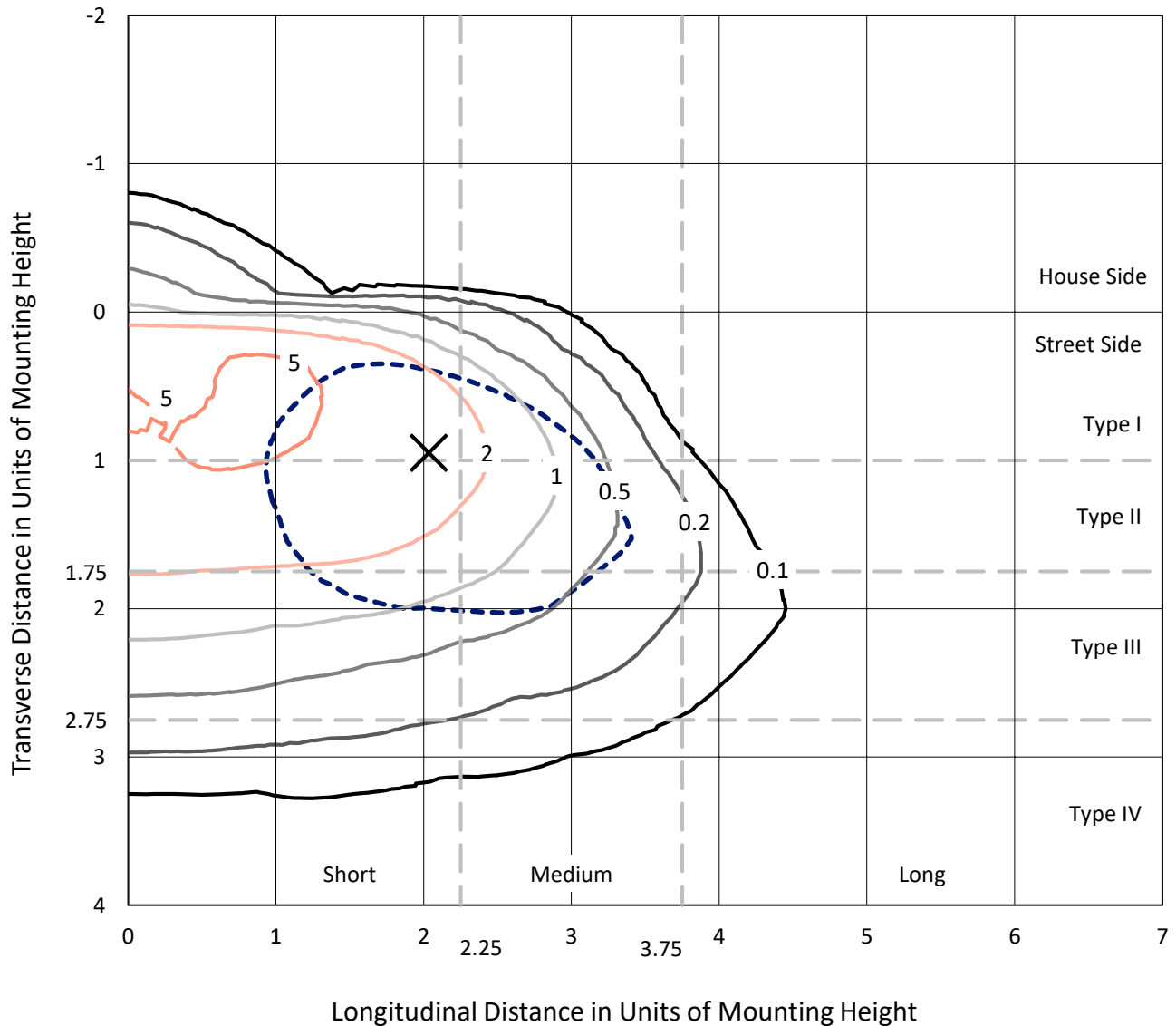


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### Iso-Footcandle Lines of Horizontal Illumination

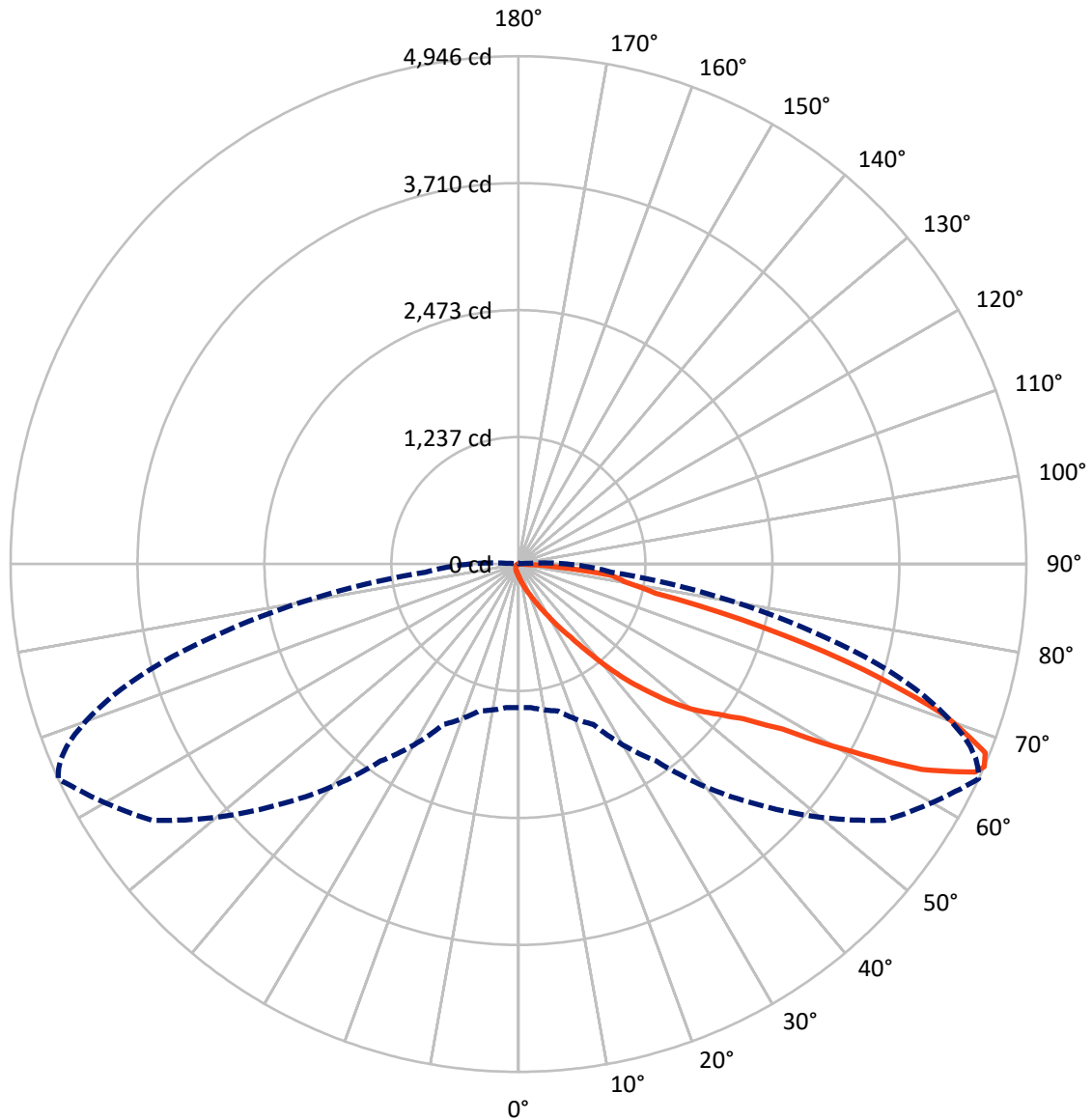
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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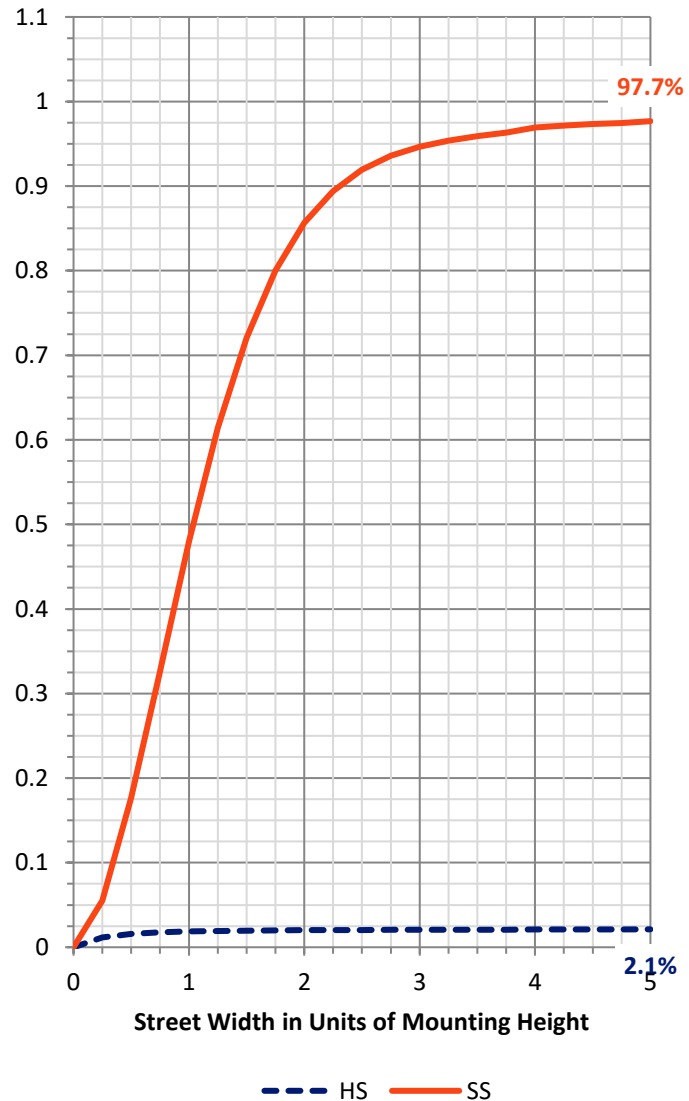
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	83.7	0.0	83.7
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	3781.0	0.0	3781.0
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	3864.8	0.0	3864.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	55.4	1.4
20°-30°	119.4	3.1
30°-40°	255.0	6.6
40°-50°	564.0	14.6
50°-60°	955.8	24.7
60°-70°	1275.5	33.0
70°-80°	561.8	14.5
80°-90°	64.7	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°	3864.8	100.0
0°-180°	3864.8	100.0

**Coefficient of Utilization**



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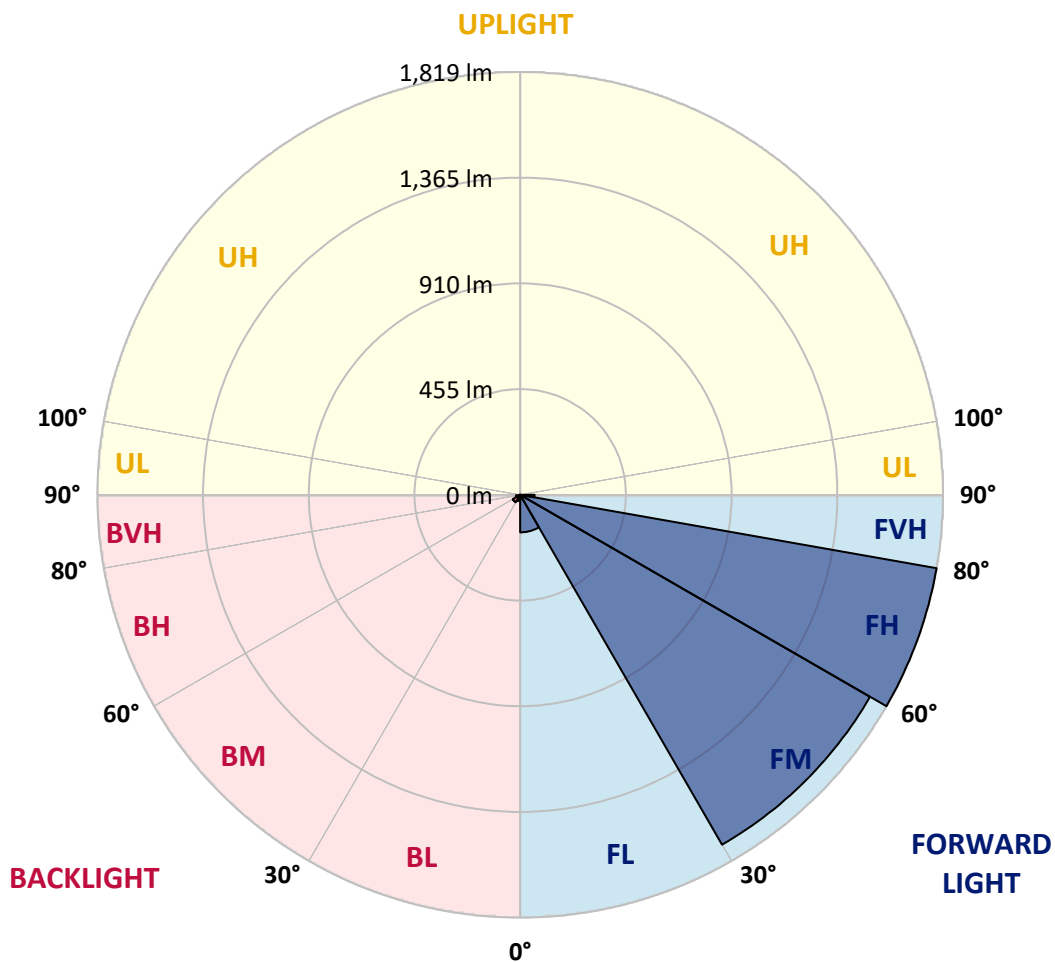
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.4	4.2			
FM	(30°-60°)	1738.1	45.0			
FH	(60°-80°)	1819.3	47.1			G2/5000
FVH	(80°-90°)	62.1	1.6			G1/100
BL	(0°-30°)	26.4	0.7	B0/110		
BM	(30°-60°)	36.8	1.0	B0/220		
BH	(60°-80°)	18.0	0.5	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	147.1	146.4	143.4	143.4	138.9	136.0	132.3	128.5	128.5	127.8	127.1
5°	194.7	190.2	189.5	181.3	174.6	164.9	156.0	144.1	142.7	141.2	140.4
7.5°	247.4	246.7	240.0	230.3	217.0	199.1	181.3	162.0	159.0	157.5	154.5
10°	315.8	312.1	303.1	286.8	266.7	243.0	214.0	183.5	179.8	176.8	175.4
12.5°	381.2	374.5	369.3	348.5	323.2	288.3	253.4	209.5	206.6	202.8	196.9
15°	442.1	436.1	427.2	409.4	381.2	337.3	296.5	243.0	235.5	230.3	225.9
17.5°	489.6	485.9	475.5	455.5	425.0	386.4	337.3	277.1	271.2	264.5	256.3
20°	535.0	529.8	513.4	485.9	453.2	423.5	385.6	321.7	313.6	305.4	296.5
22.5°	578.1	572.9	546.1	500.8	465.9	453.2	439.9	372.2	359.6	352.9	344.0
25°	638.2	627.1	585.5	513.4	466.6	476.3	499.3	437.6	425.7	416.1	402.0
27.5°	719.2	704.4	639.0	532.0	469.6	501.5	567.7	517.1	504.5	493.4	477.8
30°	810.6	801.0	723.0	576.6	491.1	538.7	644.2	618.2	603.3	590.0	571.4
32.5°	902.8	889.4	812.1	661.3	549.1	610.8	740.0	735.6	716.3	703.6	683.6
35°	983.7	977.1	919.8	800.2	681.3	737.1	867.8	873.0	856.0	842.6	820.3
37.5°	1038.7	1038.7	1027.6	949.6	891.6	933.2	1055.8	1056.6	1039.5	1009.0	997.9
40°	1067.0	1075.1	1115.3	1130.1	1127.2	1180.6	1302.5	1289.1	1275.0	1259.4	1222.3
42.5°	1124.9	1132.4	1217.8	1320.3	1387.2	1457.8	1541.8	1537.3	1520.2	1492.0	1457.8
45°	1223.0	1232.7	1334.5	1497.2	1634.6	1734.9	1788.4	1767.6	1750.5	1723.8	1706.0
47.5°	1347.8	1366.4	1481.6	1682.9	1848.6	2014.3	2070.0	2015.1	2000.2	1979.4	1950.4
50°	1480.8	1498.7	1621.3	1851.6	2038.8	2236.5	2329.3	2236.5	2214.9	2208.2	2175.5
52.5°	1596.0	1610.9	1729.0	1981.6	2184.5	2416.3	2551.5	2428.9	2413.3	2391.0	2367.2
55°	1664.3	1676.2	1786.9	2044.0	2283.3	2578.3	2766.2	2658.5	2635.5	2626.6	2592.4
57.5°	1687.4	1699.3	1798.8	2052.2	2336.8	2726.1	3027.0	3030.7	3003.3	2971.3	2960.9
60°	1687.4	1700.8	1784.7	2032.1	2388.8	2883.6	3374.8	3684.6	3625.2	3619.2	3581.3
62.5°	1617.5	1630.2	1714.9	1970.5	2458.6	3096.1	3859.2	4406.1	4389.0	4350.3	4287.9
65°	1466.0	1473.4	1556.6	1813.0	2431.9	3291.5	4279.0	4886.1	4858.6	4782.8	4702.5
66°	1397.6	1403.6	1481.6	1723.0	2344.2	3318.3	4353.3	4946.2	4900.9	4837.0	4746.4
67.5°	1298.8	1309.2	1364.2	1555.9	2133.9	3225.4	4306.5	4903.9	4864.5	4787.2	4696.6
70°	867.1	859.7	1053.6	1194.0	1625.7	2628.0	3863.7	4403.1	4403.8	4367.4	4331.0
72.5°	411.6	416.1	472.6	734.8	1064.0	1755.7	3075.3	3514.5	3565.0	3499.6	3454.3
75°	295.7	302.4	336.6	449.5	634.5	1053.6	1993.5	2457.9	2459.4	2343.5	2240.2
77.5°	86.2	89.9	126.3	277.1	475.5	711.1	1145.0	1366.4	1334.5	1251.2	1173.2
80°	35.7	35.7	37.2	88.4	191.0	483.0	801.0	1052.1	1048.4	1016.4	970.4
82.5°	13.4	14.1	17.8	36.4	45.3	118.9	534.2	913.2	910.9	865.6	832.9
85°	1.5	1.5	4.5	15.6	17.1	22.3	107.0	402.7	400.5	402.7	352.9
87.5°	0.0	0.0	0.7	1.5	2.2	3.0	4.5	15.6	17.1	16.3	14.9
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	127.1	125.6	125.6	124.8	124.8	124.8	124.1	123.3	123.3	122.6	121.9
5°	138.9	137.5	136.7	135.2	134.5	133.7	132.3	131.5	130.0	129.3	128.5
7.5°	153.1	150.1	149.3	147.1	144.9	143.4	141.9	139.7	138.2	135.2	134.5
10°	170.9	167.2	164.2	161.2	159.0	155.3	153.1	150.1	147.1	144.9	142.7
12.5°	193.9	188.7	184.3	181.3	176.1	171.6	167.2	164.9	159.0	156.0	152.3
15°	219.2	213.2	208.0	202.1	198.4	191.0	185.0	178.3	175.4	170.1	164.2
17.5°	251.9	242.2	234.0	228.1	220.7	213.2	206.6	199.9	191.0	185.0	177.6
20°	286.8	278.6	267.5	257.1	248.2	239.3	229.6	220.7	212.5	202.8	193.9
22.5°	331.4	319.5	306.1	295.7	283.8	274.2	260.8	248.9	235.5	222.9	212.5
25°	387.9	372.2	359.6	344.8	330.6	315.8	299.4	284.6	267.5	255.6	237.8
27.5°	457.7	442.8	425.7	406.4	392.3	370.0	348.5	329.9	309.8	291.3	271.2
30°	546.9	525.3	507.5	488.9	460.7	439.1	413.9	388.6	361.1	342.5	312.1
32.5°	653.9	630.8	604.1	577.3	551.3	520.9	489.6	458.4	428.0	393.8	362.6
35°	784.6	757.1	726.7	697.7	657.6	624.9	585.5	542.4	508.2	468.8	429.5
37.5°	957.7	912.4	885.7	855.2	801.0	756.4	712.5	669.5	609.3	567.7	511.9
40°	1174.7	1148.0	1104.1	1055.1	1006.0	947.3	887.9	830.7	760.8	702.9	638.2
42.5°	1429.6	1390.2	1345.6	1275.0	1225.2	1156.1	1088.5	1012.7	927.3	853.0	777.2
45°	1668.8	1622.0	1587.8	1517.2	1465.2	1383.5	1301.8	1221.5	1122.7	1026.8	939.2
47.5°	1927.4	1888.7	1832.3	1775.1	1722.3	1630.2	1541.8	1444.4	1340.4	1226.7	1113.0
50°	2154.7	2124.3	2085.6	2016.5	1957.8	1880.6	1776.5	1670.3	1538.8	1425.8	1296.6
52.5°	2347.9	2324.1	2269.9	2220.9	2168.1	2095.3	2002.4	1900.6	1758.7	1634.6	1487.5
55°	2576.0	2558.9	2511.4	2480.9	2434.1	2364.3	2277.3	2183.0	2032.9	1897.7	1731.2
57.5°	2949.8	2936.4	2894.8	2882.1	2836.1	2775.2	2668.2	2567.1	2391.8	2223.8	2033.6
60°	3568.7	3541.9	3481.0	3449.8	3352.5	3270.7	3131.8	2992.9	2781.1	2567.1	2338.3
62.5°	4231.5	4156.4	4040.5	3940.9	3802.7	3660.8	3475.1	3262.6	3014.4	2760.3	2497.3
65°	4588.8	4461.0	4314.7	4156.4	3977.3	3768.6	3534.5	3279.7	3012.9	2744.7	2466.8
66°	4629.7	4485.6	4330.3	4154.2	3955.1	3732.9	3495.1	3227.6	2950.5	2689.0	2411.1
67.5°	4578.4	4427.6	4263.4	4068.0	3852.5	3622.2	3372.5	3094.6	2827.9	2562.7	2292.2
70°	4219.6	4069.5	3923.1	3717.3	3487.7	3255.9	3019.6	2709.0	2456.4	2212.7	1972.0
72.5°	3369.6	3267.8	3122.9	2946.8	2723.1	2451.2	2254.3	1976.4	1757.2	1520.9	1334.5
75°	2105.7	1962.3	1783.2	1558.8	1387.9	1167.3	1052.1	841.1	716.3	607.0	501.5
77.5°	1076.6	968.9	843.3	717.0	595.9	475.5	367.8	260.1	175.4	121.9	90.6
80°	889.4	794.3	690.3	575.1	468.1	363.3	261.5	178.3	113.7	74.3	58.0
82.5°	734.8	654.6	561.7	454.7	361.8	285.3	198.4	129.3	80.2	52.0	40.9
85°	312.8	283.8	219.2	173.9	130.8	96.6	67.6	45.3	31.9	26.0	23.8
87.5°	13.4	14.9	14.1	11.1	8.2	8.2	7.4	5.9	5.9	5.9	5.9
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	121.9	121.1	120.4	120.4	119.6	118.9	114.4	110.7	106.3	103.3	100.3
5°	127.1	126.3	124.8	124.1	122.6	121.9	112.2	104.0	97.3	92.1	88.4
7.5°	132.3	131.5	129.3	127.1	126.3	124.8	109.2	98.8	89.9	84.0	80.2
10°	138.9	136.7	134.5	131.5	129.3	127.1	106.3	92.9	83.2	78.0	74.3
12.5°	148.6	144.9	141.2	137.5	134.5	130.8	104.8	87.7	78.0	72.1	68.4
15°	159.7	154.5	150.1	145.6	140.4	136.7	101.8	83.2	73.6	67.6	63.2
17.5°	170.1	164.2	157.5	150.8	145.6	140.4	98.8	78.8	69.1	63.2	58.7
20°	185.0	176.1	167.9	159.7	152.3	145.6	94.4	74.3	65.4	58.7	54.2
22.5°	201.4	191.0	180.6	169.4	159.7	150.8	90.6	70.6	61.7	55.0	49.8
25°	222.2	209.5	195.4	181.3	170.1	158.3	86.9	66.9	58.0	51.3	46.1
27.5°	251.1	233.3	217.7	199.9	182.8	169.4	84.0	63.9	54.2	47.6	42.4
30°	290.5	264.5	240.0	220.7	200.6	181.3	81.0	60.2	51.3	43.8	37.9
32.5°	334.4	303.9	275.7	246.7	221.4	199.1	78.0	57.2	47.6	40.1	34.9
35°	388.6	350.0	312.1	278.6	248.2	218.4	75.0	54.2	44.6	36.4	31.2
37.5°	466.6	418.3	368.5	325.4	286.1	246.7	72.8	51.3	40.9	32.7	27.5
40°	573.6	511.2	450.3	391.6	340.3	291.3	69.8	48.3	37.9	29.7	24.5
42.5°	689.5	613.7	533.5	467.4	396.8	335.1	66.9	45.3	34.9	26.7	21.5
45°	833.7	739.3	642.0	552.1	465.9	386.4	63.9	42.4	31.2	23.8	18.6
47.5°	991.2	870.8	760.8	647.9	545.4	450.3	60.2	40.1	28.2	20.8	16.3
50°	1153.2	1026.1	887.2	758.6	636.8	514.2	56.5	36.4	25.3	18.6	13.4
52.5°	1327.8	1177.7	1035.8	876.0	734.1	598.1	52.8	33.4	23.0	16.3	11.1
55°	1549.9	1382.0	1215.6	1036.5	865.6	695.5	49.0	29.7	20.1	14.1	8.9
57.5°	1829.3	1630.2	1425.8	1223.7	1016.4	823.3	46.1	26.0	17.1	11.9	7.4
60°	2093.1	1860.5	1613.1	1380.5	1146.5	921.3	41.6	23.0	14.9	9.7	7.4
62.5°	2229.8	1964.5	1697.8	1441.4	1191.8	956.3	37.2	19.3	12.6	8.2	6.7
65°	2196.3	1925.9	1667.3	1408.8	1164.3	934.0	32.7	17.1	11.1	7.4	6.7
66°	2148.1	1880.6	1620.5	1374.6	1141.3	910.2	30.5	16.3	10.4	7.4	5.9
67.5°	2042.5	1784.0	1535.8	1307.0	1078.1	864.9	27.5	14.9	9.7	6.7	5.9
70°	1744.6	1509.8	1311.4	1107.8	921.3	728.9	22.3	12.6	8.2	5.9	5.9
72.5°	1154.6	994.9	862.6	742.3	620.4	481.5	18.6	10.4	6.7	5.9	5.2
75°	435.4	393.8	338.1	303.9	265.3	232.6	14.9	6.7	5.2	5.2	5.2
77.5°	77.3	71.3	63.2	58.0	53.5	49.0	11.9	4.5	4.5	5.2	5.2
80°	52.0	48.3	43.8	40.1	37.2	33.4	8.2	3.7	4.5	4.5	5.2
82.5°	37.2	34.9	32.7	29.7	27.5	24.5	5.2	3.7	4.5	4.5	4.5
85°	22.3	20.8	19.3	17.8	15.6	14.9	3.7	3.7	3.7	4.5	4.5
87.5°	5.9	5.2	5.9	5.9	4.5	5.2	3.0	3.0	3.0	3.7	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: P180643

CATALOG NUMBER: ICS-F03-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	116.7	116.7	116.7	116.7	116.7
2.5°	98.8	98.8	97.3	99.6	99.6
5°	85.4	85.4	84.7	85.4	85.4
7.5°	78.0	77.3	77.3	77.3	78.0
10°	71.3	70.6	70.6	70.6	70.6
12.5°	65.4	64.6	63.9	64.6	64.6
15°	60.2	58.7	58.7	58.7	58.7
17.5°	55.7	54.2	53.5	53.5	53.5
20°	51.3	49.0	49.0	49.0	49.0
22.5°	46.8	44.6	44.6	44.6	44.6
25°	42.4	40.1	40.1	40.1	40.1
27.5°	38.6	36.4	36.4	36.4	36.4
30°	34.2	32.7	32.7	33.4	32.7
32.5°	31.2	29.0	29.0	29.7	29.7
35°	27.5	26.0	26.0	26.0	26.0
37.5°	23.8	22.3	22.3	22.3	22.3
40°	20.8	19.3	18.6	19.3	19.3
42.5°	17.8	16.3	15.6	15.6	15.6
45°	15.6	13.4	12.6	13.4	13.4
47.5°	12.6	11.1	11.1	11.9	11.9
50°	9.7	9.7	10.4	11.9	11.9
52.5°	8.9	8.9	10.4	11.9	11.9
55°	8.2	8.9	10.4	11.1	11.9
57.5°	7.4	8.9	10.4	11.1	11.1
60°	7.4	8.2	9.7	11.1	11.1
62.5°	6.7	7.4	8.9	10.4	10.4
65°	6.7	7.4	8.9	10.4	10.4
66°	6.7	7.4	8.9	10.4	10.4
67.5°	6.7	7.4	8.9	10.4	10.4
70°	6.7	7.4	8.9	9.7	9.7
72.5°	5.9	6.7	8.2	9.7	9.7
75°	5.9	6.7	8.2	9.7	9.7
77.5°	5.9	6.7	8.2	9.7	9.7
80°	5.9	6.7	8.2	8.9	9.7
82.5°	5.2	6.7	7.4	8.9	8.9
85°	5.2	5.9	7.4	8.2	8.9
87.5°	4.5	5.2	5.9	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)