

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: P180841

Luminaire Tested: **ICS-F03-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180841  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
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-SL4-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

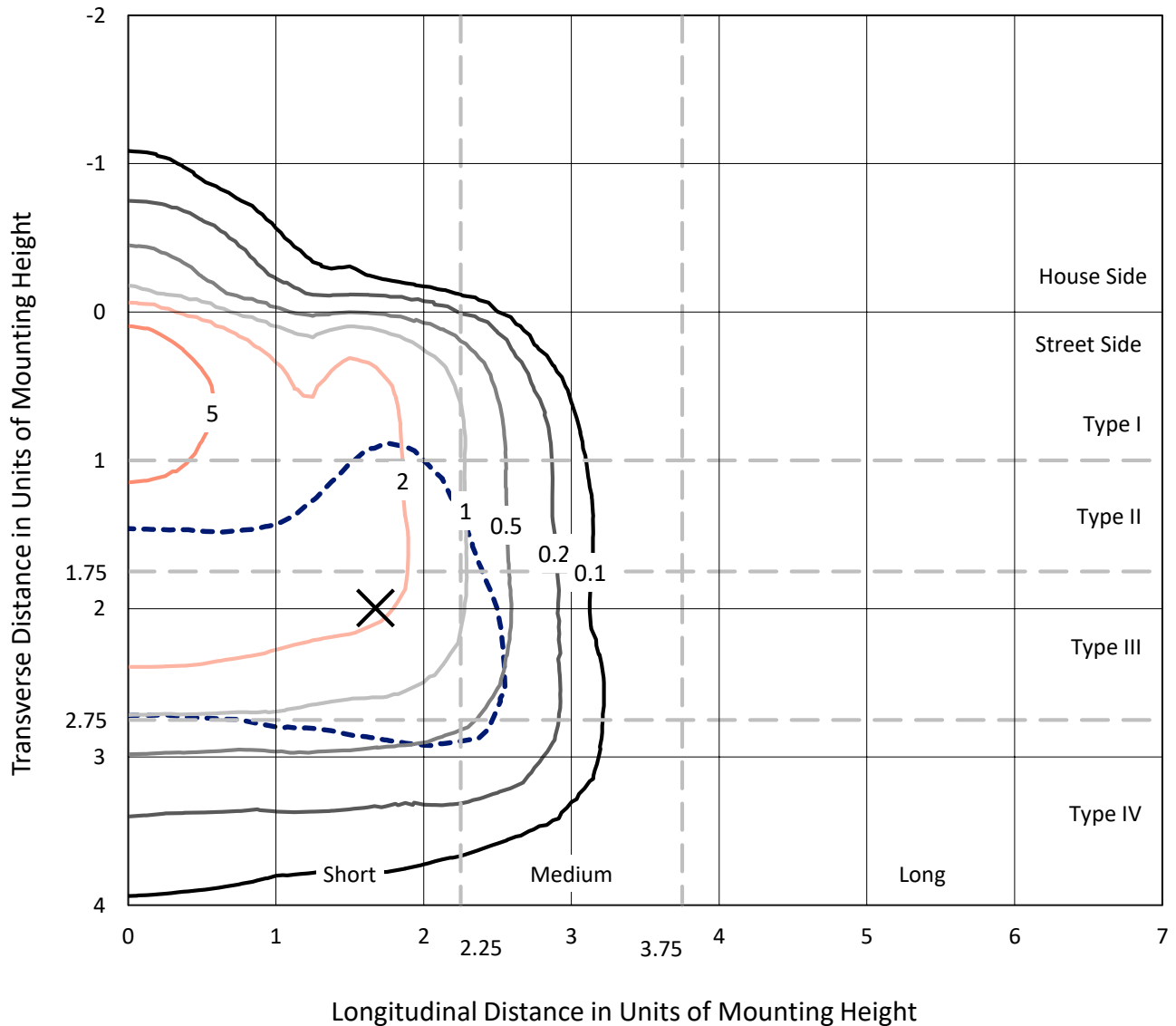
Lumens per Lamp: N/A  
Luminaire Lumens: 3828.1 lumens  
Efficiency: N/A  
Efficacy: 48.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 78.3  
Input Voltage (V): NR  
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

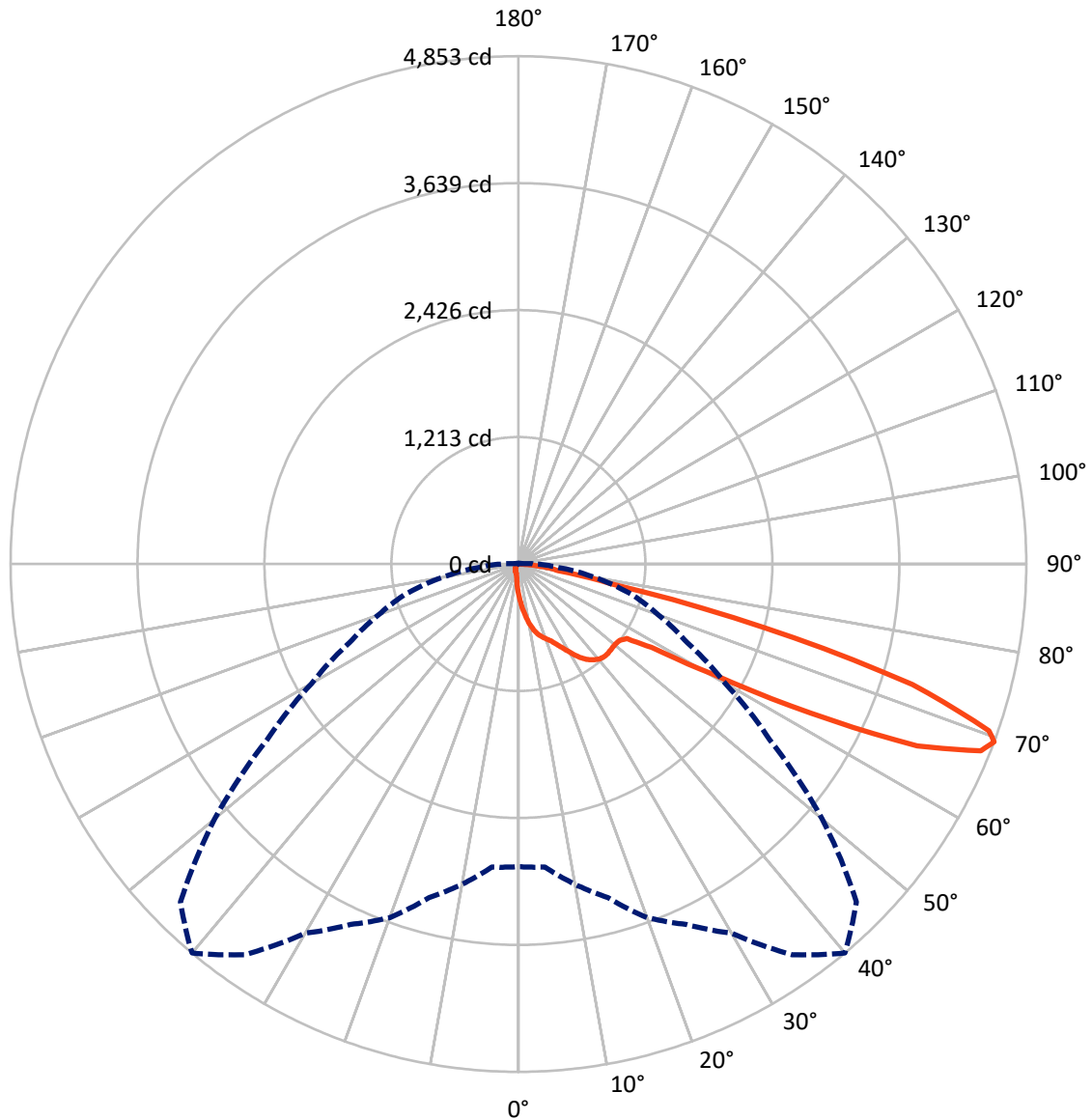
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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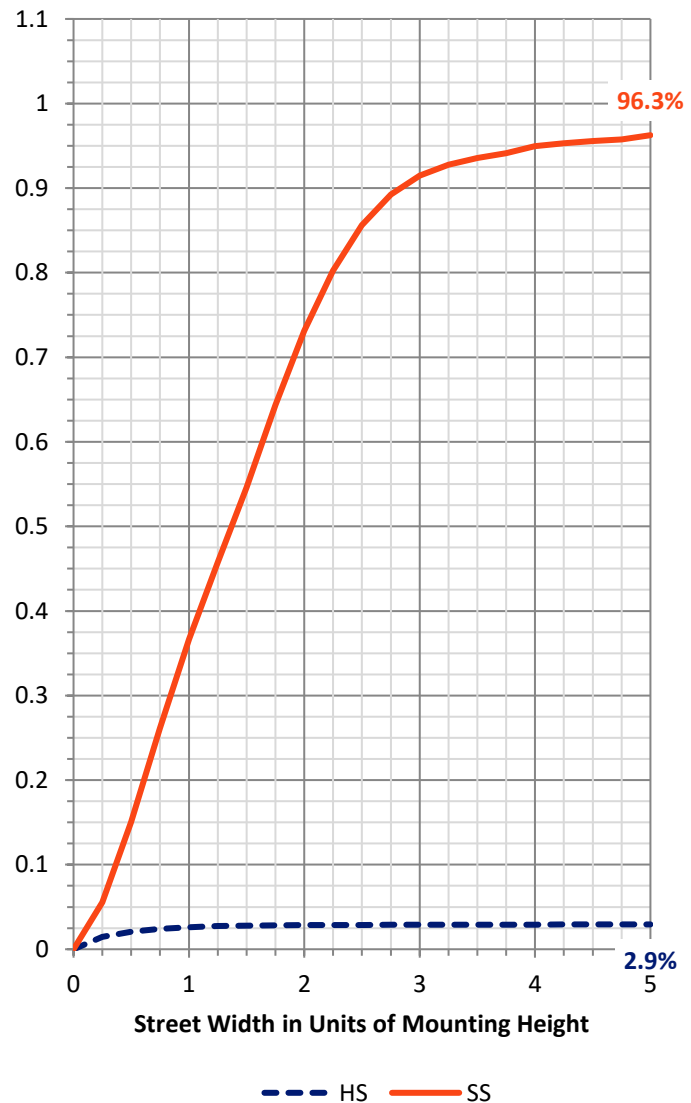
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	114.0	0.0	114.0
	% Fixture	3.0	0.0	3.0
<b>Street Side</b>	Lumens	3714.1	0.0	3714.1
	% Fixture	97.0	0.0	97.0
<b>Total</b>	Lumens	3828.1	0.0	3828.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	0.8
10°-20°	102.4	2.7
20°-30°	196.1	5.1
30°-40°	326.1	8.5
40°-50°	441.2	11.5
50°-60°	690.1	18.0
60°-70°	1418.7	37.1
70°-80°	570.9	14.9
80°-90°	52.8	1.4
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°	3828.1	100.0
0°-180°	3828.1	100.0



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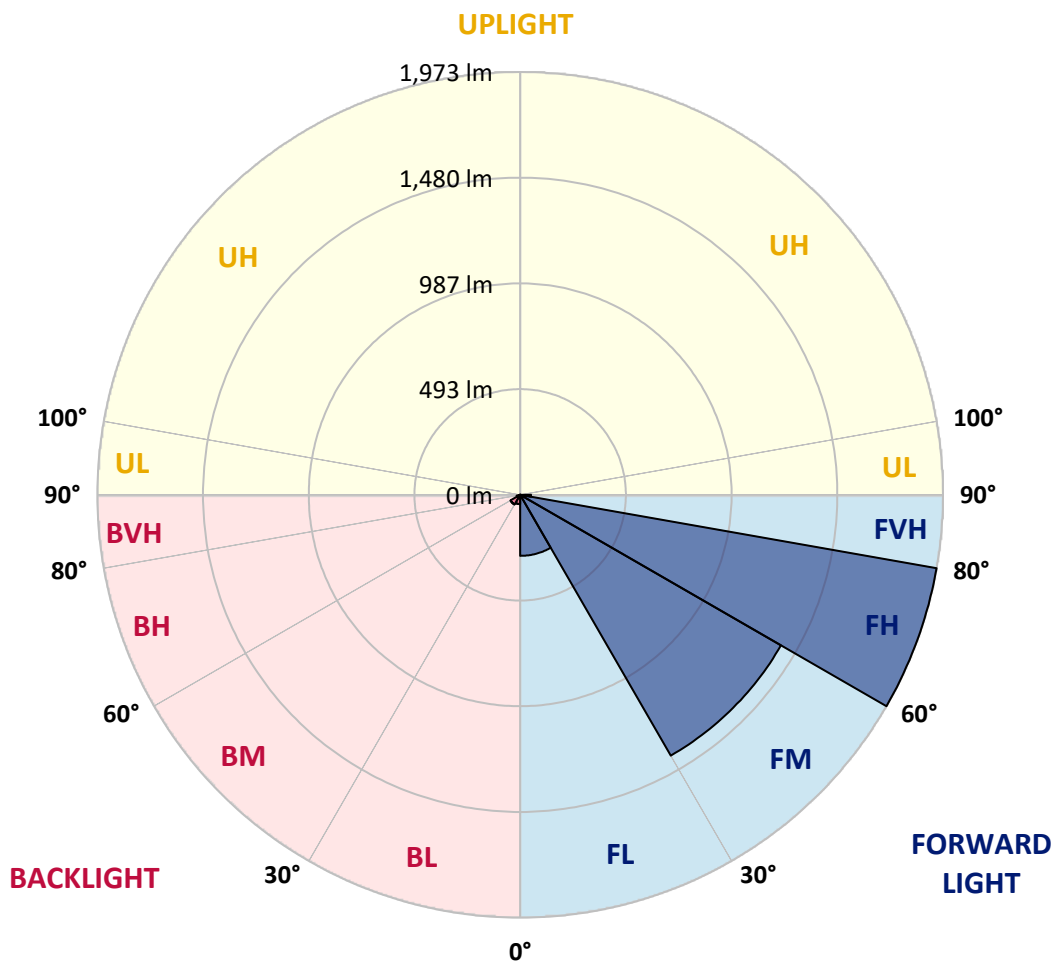
CATALOG NUMBER: ICS-F03-LED-E1-SL4-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.9	7.4			
FM	(30°-60°)	1405.3	36.7			
FH	(60°-80°)	1973.0	51.5			G2/5000
FVH	(80°-90°)	50.8	1.3			G1/100
BL	(0°-30°)	43.4	1.1	B0/110		
BM	(30°-60°)	52.0	1.4	B0/220		
BH	(60°-80°)	16.6	0.4	B0/110		G0/110
BVH	(80°-90°)	2.0	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	385.7	381.3	376.3	376.3	370.0	370.0	366.2	356.2	354.9	349.3	343.6
5°	492.3	488.5	482.2	476.6	471.6	462.8	456.5	444.6	431.4	418.9	407.6
7.5°	596.4	594.5	583.2	581.3	573.2	558.7	546.2	528.6	506.1	488.5	467.8
10°	692.9	688.6	686.0	675.4	663.5	647.8	628.4	607.0	580.7	553.1	523.6
12.5°	769.4	766.9	755.7	751.3	738.7	723.0	698.6	671.0	644.7	608.9	574.4
15°	826.5	822.1	814.6	807.7	792.6	778.9	756.3	726.2	694.2	655.3	613.9
17.5°	874.2	866.0	864.1	853.5	837.8	821.5	796.4	768.8	731.2	692.3	647.2
20°	938.1	926.8	923.1	907.4	889.2	866.6	837.8	803.3	763.8	721.2	674.8
22.5°	1013.4	1005.2	997.1	983.3	960.1	928.1	886.1	848.5	798.3	751.3	701.1
25°	1120.0	1113.1	1099.9	1081.1	1052.3	1014.0	963.2	908.0	849.1	788.9	729.9
27.5°	1223.5	1217.2	1207.8	1193.4	1160.8	1118.7	1056.0	985.8	911.2	838.4	773.2
30°	1320.7	1315.0	1305.6	1291.2	1262.3	1221.0	1150.1	1074.8	982.0	897.4	819.0
32.5°	1425.4	1423.5	1412.8	1392.2	1367.1	1311.3	1234.1	1153.2	1059.2	961.3	869.8
35°	1543.9	1529.5	1519.5	1498.8	1456.1	1396.5	1306.2	1217.8	1118.7	1018.4	916.2
37.5°	1644.2	1630.4	1617.9	1591.6	1539.5	1463.6	1361.4	1264.2	1162.0	1059.8	955.7
40°	1717.6	1710.7	1695.7	1661.2	1602.9	1512.6	1402.2	1296.2	1193.4	1090.5	987.7
42.5°	1772.2	1761.5	1744.6	1708.8	1639.9	1537.0	1418.5	1309.4	1207.8	1109.3	1008.4
45°	1792.2	1783.5	1767.8	1728.9	1654.3	1543.9	1417.9	1305.6	1208.4	1115.0	1022.2
47.5°	1780.3	1771.5	1757.8	1721.4	1648.0	1535.8	1406.6	1295.0	1202.1	1116.9	1034.7
50°	1740.8	1735.8	1725.1	1694.4	1628.6	1520.1	1396.5	1289.3	1200.9	1126.3	1052.3
52.5°	1737.1	1733.9	1720.8	1690.0	1622.9	1515.1	1395.3	1292.4	1211.5	1138.2	1064.8
55°	2122.7	2078.2	1978.5	1893.8	1754.6	1589.1	1458.6	1343.2	1256.7	1185.2	1133.8
57.5°	3017.0	2950.5	2819.4	2658.3	2338.4	2024.3	1772.8	1590.9	1501.3	1468.7	1488.1
60°	3435.9	3423.9	3403.3	3326.7	3163.1	2892.8	2591.8	2266.3	2135.9	2124.6	2164.1
62.5°	3634.6	3627.1	3633.4	3624.0	3573.2	3494.2	3407.6	3267.2	3138.0	3054.6	2877.7
65°	3726.2	3731.2	3767.0	3795.2	3801.5	3822.2	3885.5	4060.4	4188.4	3973.3	3482.3
67.5°	3493.6	3523.0	3605.2	3708.0	3828.4	3945.1	4133.2	4501.9	4764.7	4512.0	3814.6
69°	2892.2	2906.6	3107.3	3301.0	3595.1	3800.8	4073.6	4557.1	4852.5	4567.1	3788.3
70°	2277.0	2290.2	2505.2	2768.6	3265.9	3530.6	3887.4	4463.7	4770.3	4493.8	3652.8
72.5°	1027.2	1008.4	1084.2	1225.3	1765.9	2186.1	2810.0	3616.5	3935.7	3600.2	2732.9
75°	717.4	709.2	717.4	718.0	802.1	1034.7	1305.6	1960.3	2424.4	2092.0	1305.6
77.5°	555.6	550.0	544.3	538.0	548.1	613.9	640.3	695.4	903.0	854.1	497.9
80°	439.6	434.6	448.4	444.0	444.0	451.5	446.5	425.8	386.9	358.7	321.1
82.5°	204.4	205.7	205.7	223.2	269.0	314.2	328.6	307.9	273.4	232.7	187.5
85°	19.4	21.9	37.0	57.1	113.5	127.9	128.6	106.6	106.6	84.0	67.7
87.5°	0.0	0.6	0.6	0.6	5.6	15.7	13.2	3.8	1.9	1.9	3.1
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°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	333.6	331.7	324.2	316.7	309.8	302.3	295.4	288.5	280.9	275.3	268.4
5°	390.1	376.3	360.6	345.5	330.5	314.8	298.5	284.1	269.0	255.2	242.1
7.5°	447.1	420.2	398.8	371.9	347.4	323.0	300.4	277.2	255.9	235.8	217.0
10°	495.4	462.8	429.6	395.1	360.0	327.3	296.0	268.4	240.2	215.7	192.5
12.5°	534.9	493.5	452.8	409.5	370.0	328.6	289.7	256.5	223.2	195.7	171.8
15°	570.7	523.0	474.1	423.9	373.7	326.7	283.4	242.1	208.2	176.8	149.9
17.5°	599.5	544.9	489.8	433.3	379.4	324.2	275.3	232.0	192.5	159.9	133.6
20°	624.6	567.5	507.9	444.6	383.2	323.6	268.4	219.5	178.7	144.2	118.5
22.5°	647.8	590.7	526.8	459.0	388.8	323.0	262.1	210.1	166.8	132.3	106.6
25°	674.1	613.9	546.8	474.1	398.8	325.5	258.4	202.6	156.1	121.0	97.2
27.5°	703.6	640.3	570.7	492.9	412.0	330.5	257.1	194.4	146.7	110.4	89.7
30°	745.0	671.6	594.5	511.7	423.9	336.1	255.9	189.4	137.3	102.2	82.1
32.5°	781.4	702.3	620.8	531.2	437.1	341.8	255.2	182.5	128.6	94.1	76.5
35°	819.6	730.6	643.4	550.0	448.4	348.0	254.6	177.5	120.4	85.9	70.9
37.5°	852.9	754.4	661.0	566.3	460.9	353.7	255.2	173.1	112.9	79.0	65.8
40°	881.1	778.9	680.4	581.3	474.1	362.5	255.9	168.7	105.4	72.7	61.5
42.5°	906.2	802.1	701.1	598.2	489.1	372.5	259.6	164.9	99.1	67.1	57.1
45°	925.6	823.4	723.7	622.1	513.6	388.8	266.5	162.4	92.8	62.1	53.3
47.5°	945.7	854.7	761.9	659.7	549.3	414.5	278.4	161.8	87.8	58.3	50.2
50°	973.3	886.1	795.8	698.0	581.9	440.8	292.9	162.4	81.5	54.6	47.0
52.5°	993.3	918.1	839.7	764.4	659.7	521.1	348.7	173.7	78.4	51.4	43.3
55°	1111.8	1098.7	1100.6	1113.1	1032.2	886.7	583.2	250.8	92.2	58.3	42.6
57.5°	1567.7	1614.1	1641.1	1640.5	1506.9	1249.8	783.2	322.3	102.8	67.7	50.8
60°	2167.2	2132.1	2082.6	1960.3	1782.8	1426.6	876.1	346.8	89.0	53.9	46.4
62.5°	2697.1	2491.5	2309.0	2110.8	1878.2	1488.1	894.9	344.9	77.8	40.8	32.6
65°	3027.6	2657.6	2362.9	2114.6	1840.5	1436.7	846.6	316.7	65.8	33.2	27.0
67.5°	3106.6	2568.0	2150.9	1834.3	1537.6	1118.1	621.5	238.3	51.4	27.6	23.8
69°	2934.2	2282.6	1782.2	1422.9	1118.7	741.9	384.4	150.5	39.5	25.1	21.9
70°	2699.0	1985.4	1451.7	1141.9	828.4	521.1	269.0	106.0	32.0	23.2	20.1
72.5°	1736.4	1042.9	713.6	496.7	341.8	207.6	105.4	47.7	24.5	19.4	16.3
75°	673.5	385.7	279.7	212.6	166.2	115.4	64.0	30.7	20.7	16.3	12.5
77.5°	331.7	254.0	207.6	142.4	82.8	51.4	34.5	23.8	16.9	11.9	8.2
80°	262.1	174.3	104.1	64.6	48.9	37.0	26.3	19.4	12.5	7.5	5.6
82.5°	134.2	73.4	53.9	43.9	36.4	28.8	21.3	13.8	8.2	5.0	4.4
85°	42.0	30.7	27.6	27.0	25.1	20.7	15.1	8.8	5.0	3.1	3.1
87.5°	3.1	4.4	5.6	4.4	5.0	4.4	5.6	3.8	2.5	2.5	1.9
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	263.4	255.9	249.0	244.6	236.4	233.3	230.1	228.9	223.2	224.5	219.5
5°	230.1	217.0	206.9	196.9	187.5	180.6	175.0	168.1	162.4	159.9	154.9
7.5°	200.0	183.1	169.9	159.3	148.0	139.2	131.7	126.7	121.7	116.6	114.1
10°	173.7	155.5	140.5	129.8	119.1	111.6	106.0	102.2	99.1	97.2	96.6
12.5°	149.2	131.7	117.9	108.5	100.3	96.6	94.1	92.2	91.6	90.9	90.9
15°	130.4	112.9	102.2	95.3	91.6	89.7	89.0	87.8	86.5	85.9	85.9
17.5°	112.9	99.7	92.2	88.4	86.5	85.3	84.0	82.8	81.5	80.9	80.9
20°	101.0	90.3	86.5	84.0	82.1	80.9	79.0	77.8	77.1	76.5	75.9
22.5°	91.6	84.7	82.1	80.3	77.8	75.9	74.6	73.4	72.1	71.5	70.9
25°	84.7	80.3	78.4	75.9	73.4	71.5	69.6	67.7	66.5	65.8	64.6
27.5°	79.6	76.5	74.0	70.9	68.4	66.5	64.6	62.7	61.5	60.2	59.6
30°	75.3	72.1	69.0	66.5	63.3	61.5	58.9	57.1	56.4	55.2	53.9
32.5°	70.9	67.7	64.6	61.5	58.3	55.8	54.6	52.0	50.8	50.2	48.9
35°	65.8	62.7	58.9	56.4	53.3	50.8	48.9	47.0	45.8	44.5	43.9
37.5°	61.5	57.7	53.9	50.8	48.3	45.8	43.9	42.0	40.8	39.5	38.9
40°	56.4	52.7	48.9	45.8	43.3	41.4	39.5	37.6	36.4	35.7	35.7
42.5°	52.0	47.7	43.9	41.4	39.5	37.0	35.1	33.2	32.6	32.0	32.6
45°	47.7	43.3	40.1	37.6	35.7	33.2	31.4	30.1	29.5	30.1	30.7
47.5°	43.9	39.5	36.4	34.5	32.6	30.7	28.8	27.6	27.6	28.8	30.1
50°	40.1	35.7	33.2	32.0	30.1	28.2	25.7	25.1	25.7	27.0	28.2
52.5°	36.4	31.4	29.5	28.8	27.0	25.1	23.2	22.6	23.2	24.5	23.8
55°	32.6	27.6	27.0	26.3	24.5	21.9	20.1	20.1	20.1	19.4	18.2
57.5°	31.4	24.5	23.8	23.2	21.3	18.8	17.6	16.3	15.7	13.8	13.2
60°	32.6	21.9	21.9	20.7	18.8	16.3	14.4	12.5	11.3	10.0	10.0
62.5°	26.3	20.1	19.4	18.2	15.7	13.2	11.3	9.4	8.8	8.2	8.2
65°	21.3	18.2	16.9	15.1	13.2	10.7	8.8	7.5	6.9	6.9	7.5
67.5°	19.4	16.3	14.4	12.5	10.7	8.2	6.9	6.3	6.3	6.9	6.9
69°	18.2	15.1	13.2	11.3	9.4	7.5	6.3	6.3	6.3	6.3	6.9
70°	16.9	14.4	12.5	10.7	8.2	6.3	5.6	5.6	6.3	6.3	6.9
72.5°	13.2	11.3	10.7	8.8	6.3	5.6	5.0	5.6	5.6	6.3	6.3
75°	10.0	8.2	8.2	6.9	5.0	4.4	4.4	5.0	5.0	5.6	5.6
77.5°	6.9	5.6	5.6	5.0	4.4	3.8	3.8	4.4	5.0	5.0	5.6
80°	5.0	4.4	3.8	4.4	3.8	3.1	3.8	4.4	4.4	5.0	5.0
82.5°	3.8	3.8	3.8	3.8	3.1	3.1	3.8	3.8	4.4	5.0	5.0
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.8	3.8	4.4	4.4
87.5°	1.9	1.9	1.9	2.5	2.5	3.1	3.1	3.1	3.1	3.8	3.8
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-F03-LED-E1-SL4-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	289.1	289.1	289.1	289.1
2.5°	218.2	217.6	215.1	215.7
5°	153.0	149.2	151.8	151.1
7.5°	112.3	111.6	111.0	112.3
10°	95.9	95.9	95.3	95.9
12.5°	90.3	90.3	90.3	90.3
15°	85.9	85.9	85.3	85.3
17.5°	80.9	80.9	80.9	80.3
20°	75.9	75.3	75.3	75.3
22.5°	70.2	69.6	69.6	69.6
25°	64.6	64.0	64.0	64.0
27.5°	58.9	58.3	57.7	57.7
30°	53.3	52.7	52.0	52.0
32.5°	47.7	47.0	46.4	46.4
35°	42.6	42.6	42.0	41.4
37.5°	38.3	38.3	38.3	38.3
40°	35.1	35.7	35.7	35.7
42.5°	33.2	33.9	34.5	35.1
45°	32.0	33.2	33.9	33.9
47.5°	31.4	32.0	32.6	32.6
50°	28.8	28.2	28.2	28.2
52.5°	23.2	21.9	21.3	20.7
55°	16.9	16.3	15.1	15.1
57.5°	11.9	11.9	11.3	11.3
60°	9.4	9.4	8.8	9.4
62.5°	8.2	8.2	8.2	8.2
65°	7.5	7.5	7.5	7.5
67.5°	7.5	7.5	7.5	7.5
69°	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9
72.5°	6.3	6.3	6.3	6.3
75°	5.6	6.3	6.3	6.3
77.5°	5.6	5.6	5.6	5.6
80°	5.0	5.0	5.6	5.6
82.5°	5.0	5.0	5.0	5.0
85°	4.4	4.4	5.0	5.0
87.5°	3.8	3.8	4.4	4.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)