

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: P181285

Luminaire Tested: **ICS-F01-LED-E1-T2**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181285  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
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-T2  
Description: ICON SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2276.5 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

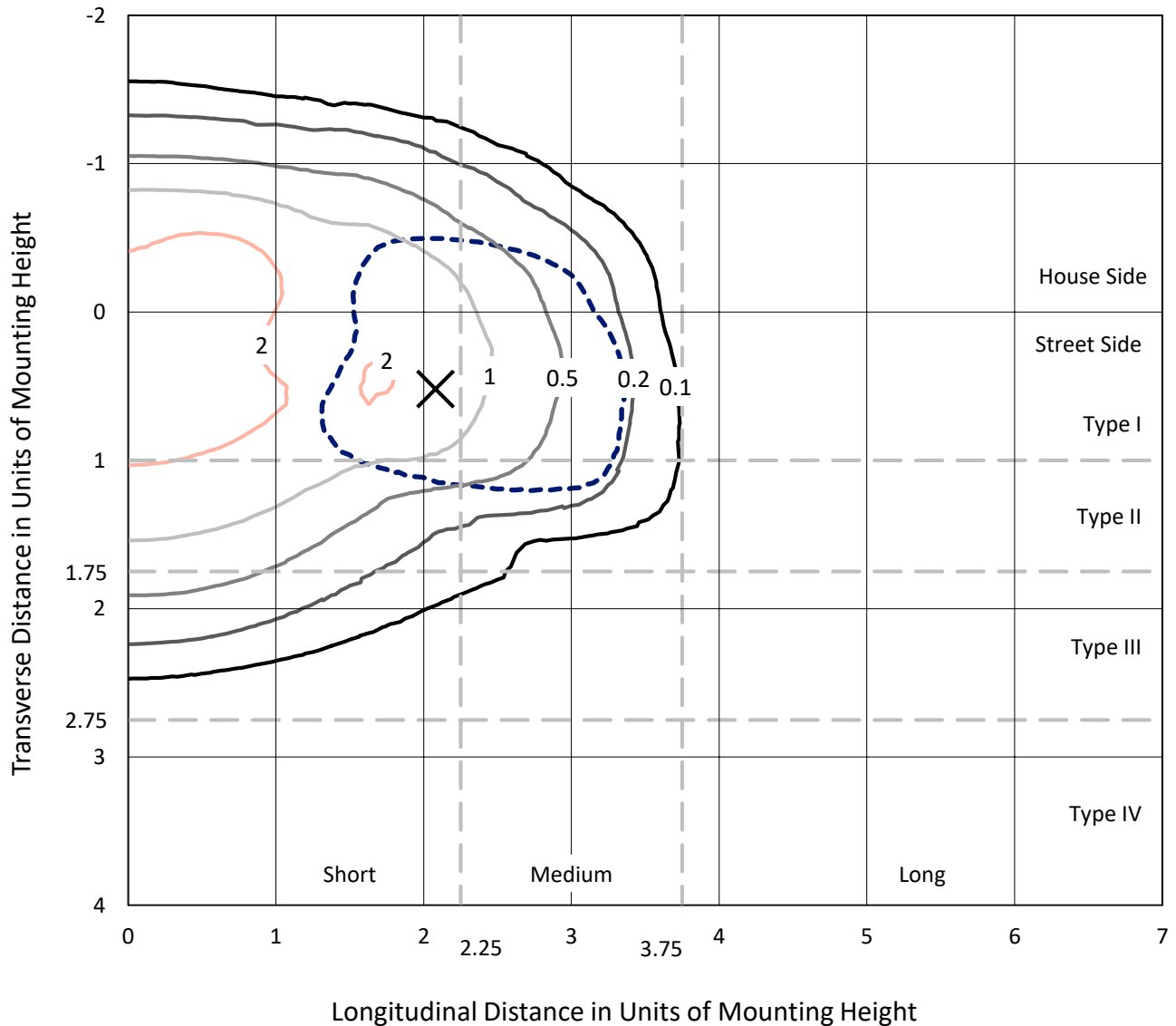
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

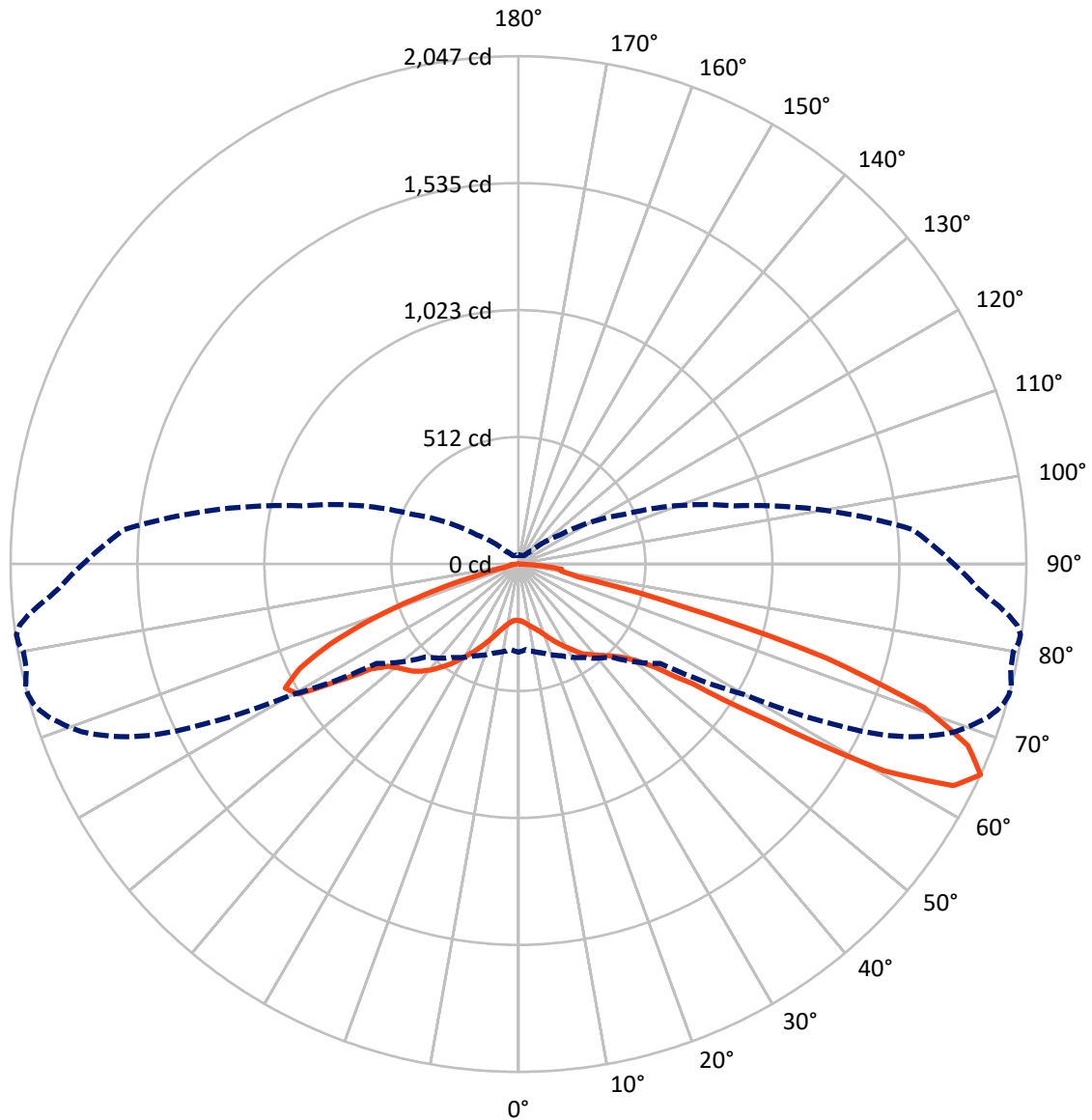
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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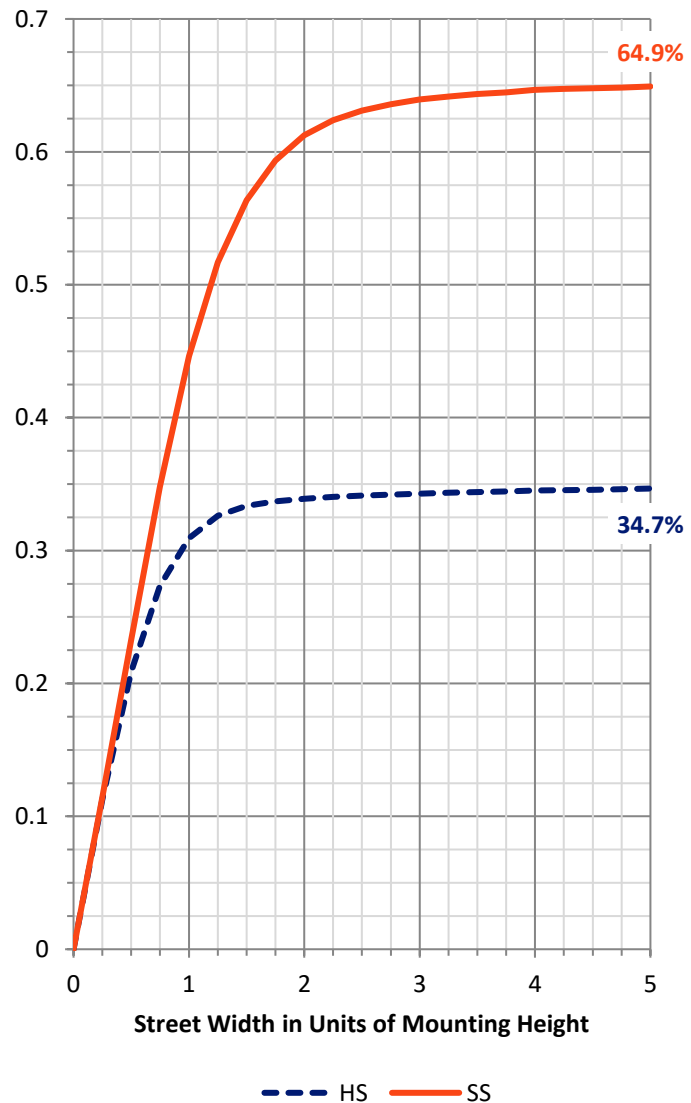
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	797.2	0.0	797.2
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	1479.3	0.0	1479.3
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	2276.5	0.0	2276.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.8	1.0
10°-20°	78.3	3.4
20°-30°	153.8	6.8
30°-40°	255.6	11.2
40°-50°	375.5	16.5
50°-60°	519.9	22.8
60°-70°	620.5	27.3
70°-80°	219.5	9.6
80°-90°	30.7	1.3
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°	2276.5	100.0
0°-180°	2276.5	100.0

**Coefficient of Utilization**



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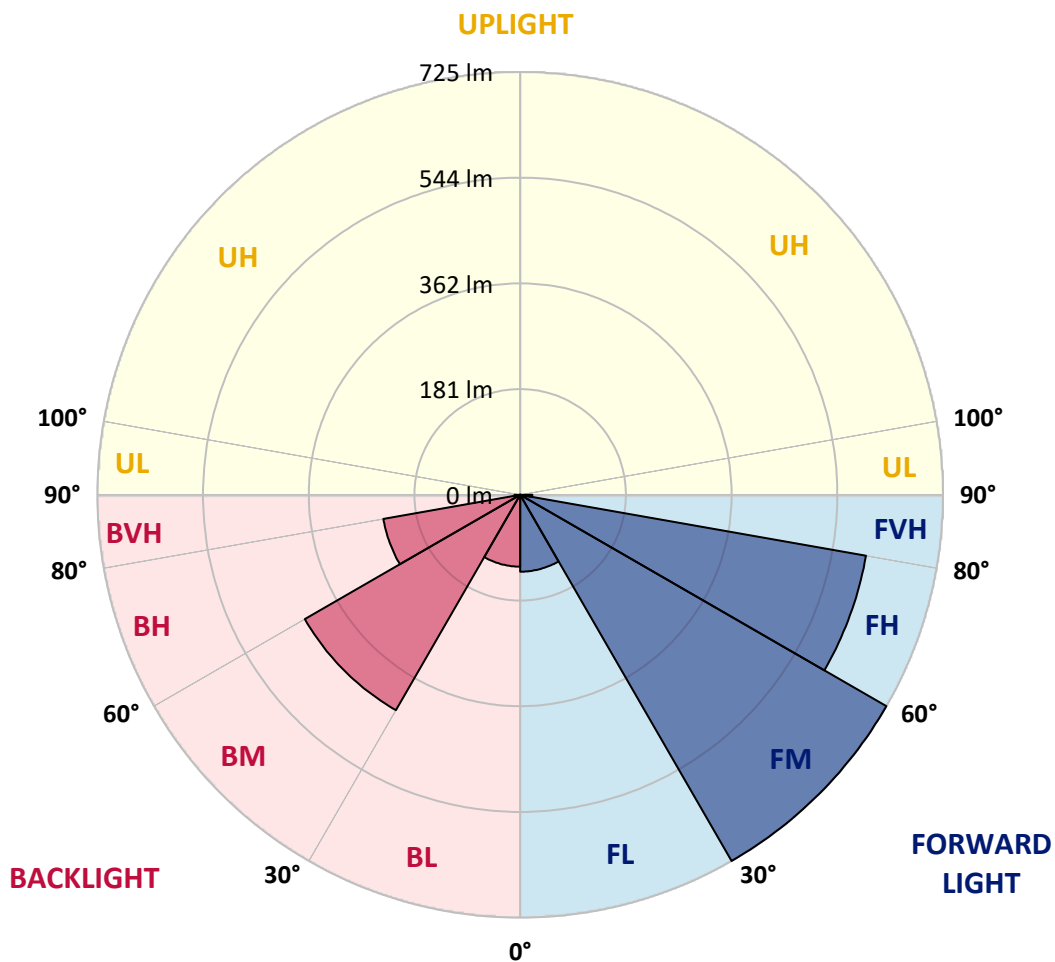
CATALOG NUMBER: ICS-F01-LED-E1-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.7	5.8			
FM (30°-60°)	724.8	31.8			
FH (60°-80°)	601.9	26.4			G0/660
FVH (80°-90°)	21.0	0.9			G1/100
BL (0°-30°)	123.2	5.4	B1/500		
BM (30°-60°)	426.2	18.7	B1/1000		
BH (60°-80°)	238.1	10.5	B1/500		G1/500
BVH (80°-90°)	9.7	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	237.5	237.8	237.3	237.0	236.3	235.0	234.0	233.1	233.1	233.1	232.3
5°	247.9	248.4	247.4	246.7	244.5	243.2	241.5	240.2	239.7	239.5	238.8
7.5°	261.0	260.3	258.8	258.3	256.6	253.9	250.6	248.2	248.2	247.9	248.2
10°	274.2	272.2	271.4	270.7	268.0	264.5	260.8	258.1	257.8	257.6	256.8
12.5°	287.3	286.6	285.8	283.1	280.4	274.9	270.7	268.0	267.7	268.0	267.0
15°	304.6	302.9	302.2	297.5	291.5	285.6	280.4	277.9	277.1	277.4	276.6
17.5°	318.0	318.0	316.3	311.1	303.4	295.2	289.8	288.3	288.0	288.0	288.3
20°	328.7	328.4	326.7	322.5	313.3	305.1	302.4	301.9	301.7	301.7	302.4
22.5°	334.6	334.1	333.4	328.7	321.5	316.0	316.3	317.8	318.3	318.8	319.7
25°	337.6	336.8	336.6	333.4	328.2	327.4	331.9	335.8	336.8	337.8	339.1
27.5°	342.5	341.3	341.8	340.5	339.3	341.5	350.7	354.9	355.7	356.9	357.6
30°	356.2	355.7	357.6	358.1	359.1	362.3	370.8	374.7	376.5	376.5	379.9
32.5°	382.2	382.4	382.9	388.1	389.8	392.1	396.5	399.7	400.0	400.2	403.5
35°	417.1	418.6	422.8	427.2	431.4	431.2	428.5	430.2	429.0	430.5	430.7
37.5°	461.2	459.2	465.4	475.5	482.0	480.2	468.1	460.2	462.4	461.4	460.7
40°	495.1	497.3	509.2	522.6	527.5	533.0	517.1	503.5	501.5	497.8	495.6
42.5°	541.9	542.2	551.8	561.7	576.1	588.0	577.8	558.3	552.3	547.8	538.2
45°	585.2	584.5	592.4	604.6	621.7	638.7	642.5	621.2	618.9	611.0	598.4
47.5°	614.2	613.2	618.7	634.5	662.3	690.3	705.6	699.2	695.0	691.7	671.9
50°	633.8	631.8	638.0	654.8	685.8	728.9	769.0	774.5	772.7	772.7	760.1
52.5°	648.4	648.4	652.9	666.5	697.9	751.7	823.5	851.0	853.2	855.7	855.0
55°	640.2	641.5	652.6	672.4	705.6	767.5	868.6	928.8	941.1	951.6	963.4
57.5°	612.2	616.5	631.3	663.8	707.6	779.4	918.6	1037.7	1072.7	1102.9	1149.9
60°	571.4	576.8	598.4	639.7	693.0	760.1	936.2	1129.9	1185.4	1251.2	1374.1
62.5°	501.3	506.7	527.8	569.1	614.7	686.0	863.4	1143.5	1232.2	1325.5	1511.3
65°	355.2	346.5	370.8	407.9	460.2	529.3	697.7	1052.1	1179.7	1306.2	1535.6
67.5°	197.9	197.1	212.0	239.7	289.8	364.1	480.7	806.9	924.3	1067.7	1349.3
70°	136.5	138.0	147.4	177.3	218.7	282.8	342.5	506.7	591.2	688.5	965.4
72.5°	95.8	99.1	104.3	122.1	164.5	238.3	350.0	302.9	345.0	411.4	580.5
75°	56.2	58.5	62.2	70.8	93.6	159.3	362.3	266.2	266.2	281.8	351.2
77.5°	34.7	34.7	36.9	40.4	49.8	78.0	258.1	299.2	290.8	281.8	282.6
80°	17.8	19.1	22.3	24.0	27.7	35.7	115.9	279.1	306.1	324.2	311.6
82.5°	8.2	9.2	13.6	14.6	16.1	18.8	39.9	158.8	212.7	280.1	350.0
85°	4.2	4.2	7.2	8.9	9.7	8.7	14.6	64.1	97.1	148.1	231.8
87.5°	0.7	0.7	1.2	1.5	2.2	2.0	2.5	3.7	6.2	6.7	6.9
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	232.1	232.3	232.1	231.8	231.3	231.3	231.3	231.1	231.1	231.1	230.8
5°	238.8	237.8	238.0	237.5	237.3	237.0	237.3	236.8	236.3	236.5	236.3
7.5°	247.2	246.7	245.7	245.7	245.4	244.9	244.9	244.2	244.0	243.5	243.2
10°	256.6	255.3	255.8	255.3	255.6	254.6	254.1	253.6	253.1	253.1	253.4
12.5°	266.2	266.0	265.3	264.8	264.8	264.0	264.3	264.0	263.3	263.0	262.3
15°	276.2	276.2	275.4	275.7	275.4	274.9	274.4	274.4	273.9	273.4	273.7
17.5°	287.8	287.8	287.8	287.8	288.0	287.3	287.5	287.1	286.6	287.5	287.5
20°	302.9	303.9	303.9	303.6	304.9	304.1	303.9	305.1	303.9	305.6	305.4
22.5°	320.2	321.2	321.2	322.2	322.5	323.2	323.7	323.2	324.2	325.2	325.2
25°	339.6	340.5	341.3	342.8	343.5	343.0	343.3	344.5	345.0	346.0	347.0
27.5°	359.9	360.1	361.1	362.8	364.1	364.6	364.8	366.8	367.0	367.5	368.5
30°	379.7	382.2	381.7	383.9	384.6	385.4	386.9	387.6	389.3	390.3	390.3
32.5°	403.0	402.5	404.4	406.2	407.4	408.7	409.9	410.9	411.9	412.4	414.8
35°	431.9	432.9	432.9	433.2	436.1	436.4	437.4	439.6	440.4	441.8	442.8
37.5°	460.7	458.9	458.7	458.7	457.7	458.4	458.7	458.9	459.9	460.2	461.2
40°	492.9	490.6	488.7	487.4	485.4	482.7	482.2	481.0	481.7	481.5	481.7
42.5°	537.0	530.8	526.1	522.6	518.6	515.7	513.4	510.2	508.0	505.2	504.8
45°	593.2	581.5	573.6	567.9	562.2	554.0	549.3	544.4	539.9	535.5	531.7
47.5°	667.0	654.6	642.0	631.6	622.6	609.5	596.1	588.7	580.0	572.4	566.9
50°	753.9	739.1	733.1	718.5	707.3	687.5	670.9	658.8	641.5	629.8	619.7
52.5°	842.8	839.1	835.9	823.5	810.4	799.0	784.4	763.1	745.5	732.1	711.3
55°	963.9	965.7	964.4	957.7	953.0	942.1	936.2	917.6	909.7	890.4	868.6
57.5°	1167.8	1181.6	1199.2	1206.2	1215.6	1206.7	1217.1	1229.7	1198.2	1209.1	1189.6
60°	1428.1	1491.7	1529.6	1576.2	1606.6	1649.2	1656.9	1668.1	1664.8	1671.0	1683.7
62.5°	1587.1	1662.6	1735.2	1787.9	1844.4	1875.6	1913.3	1939.5	1966.8	1985.1	1979.9
65°	1633.9	1711.7	1777.5	1835.2	1885.8	1923.9	1958.8	1991.8	2016.8	2034.4	2044.8
67.5°	1462.0	1563.5	1632.9	1700.5	1765.6	1805.8	1835.0	1866.9	1903.6	1934.1	1940.0
70°	1100.2	1252.5	1350.8	1431.8	1508.3	1562.3	1603.2	1632.9	1661.4	1683.2	1706.9
72.5°	688.0	821.3	933.7	1038.7	1120.0	1194.3	1228.7	1294.6	1285.9	1302.5	1320.3
75°	412.4	477.3	539.2	613.2	655.8	717.8	728.9	739.8	734.1	715.5	729.4
77.5°	286.6	297.2	296.7	292.5	288.0	277.1	263.0	255.3	250.1	242.7	245.7
80°	288.3	265.3	230.1	193.4	159.7	137.5	128.5	128.5	137.7	150.8	164.0
82.5°	344.5	320.0	285.3	238.8	189.2	154.1	130.5	121.1	122.8	136.2	153.1
85°	232.3	237.8	208.5	190.7	151.1	117.6	98.6	80.0	70.8	73.1	82.7
87.5°	8.4	10.2	3.7	5.0	3.5	3.0	3.0	3.2	2.2	2.7	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





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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	230.6	230.3	230.3	229.8	229.8	229.6	229.6	229.3	229.1	229.1	228.8
5°	236.0	235.8	235.3	235.0	234.5	234.5	234.3	233.8	233.8	233.3	233.1
7.5°	243.7	243.2	242.7	242.5	242.2	241.5	241.5	241.0	241.0	240.5	240.2
10°	252.9	252.4	251.9	252.1	251.4	251.1	250.6	250.6	249.9	249.7	249.7
12.5°	262.8	262.5	262.5	261.8	261.5	261.3	260.3	260.3	260.3	259.8	260.1
15°	273.4	273.7	272.9	273.7	273.4	272.7	272.7	272.7	271.7	272.9	271.9
17.5°	287.8	288.5	288.0	288.3	287.8	287.8	288.0	287.8	288.3	288.3	289.8
20°	305.6	305.9	307.1	306.6	306.6	306.4	306.9	307.1	308.1	307.6	308.6
22.5°	325.2	326.4	326.7	327.7	327.7	327.4	327.9	328.9	329.4	330.1	329.9
25°	347.5	348.2	349.2	348.0	350.0	350.0	350.5	351.7	351.9	351.9	353.7
27.5°	368.3	370.3	370.5	371.8	371.0	371.5	373.2	374.0	375.0	375.0	375.5
30°	391.8	392.6	393.1	394.5	394.3	394.5	394.8	396.0	396.0	397.3	398.5
32.5°	416.1	416.6	417.1	418.6	419.1	420.0	419.6	420.5	421.8	422.0	422.8
35°	445.1	445.6	446.1	448.3	448.5	450.3	450.8	450.3	452.2	451.0	452.2
37.5°	461.9	464.1	464.6	466.1	465.6	466.9	467.6	468.6	469.1	470.1	472.1
40°	482.5	483.2	484.7	485.4	486.4	486.7	487.7	488.4	489.2	491.4	493.6
42.5°	503.5	504.5	505.2	506.2	507.5	508.5	509.2	511.4	511.9	513.4	517.6
45°	529.0	528.5	528.8	529.0	529.5	530.8	533.0	535.2	536.7	540.2	543.6
47.5°	560.7	557.5	556.3	554.3	554.8	557.5	558.0	561.7	564.7	567.9	572.1
50°	608.8	600.1	594.9	589.7	589.2	590.7	592.7	596.6	600.1	604.3	610.3
52.5°	689.5	672.9	662.5	648.2	644.2	643.4	642.0	644.2	645.2	650.9	662.0
55°	853.0	822.3	802.5	780.2	759.4	753.2	741.3	743.8	741.3	744.7	761.3
57.5°	1194.3	1169.7	1150.4	1121.9	1086.3	1048.4	1039.0	1000.1	1007.8	1030.1	1015.7
60°	1689.9	1680.9	1667.1	1653.5	1604.7	1577.2	1532.3	1527.4	1495.9	1496.2	1475.6
62.5°	1967.3	1978.6	1970.2	1966.3	1963.5	1954.9	1932.6	1905.8	1865.7	1836.7	1794.1
65°	2046.5	2036.8	2027.7	2026.4	2025.7	2039.8	2043.0	2024.2	1987.8	1942.7	1893.7
67.5°	1954.1	1948.7	1949.2	1938.8	1945.2	1969.7	1986.8	1981.6	1948.2	1893.7	1831.3
70°	1734.2	1723.5	1734.4	1748.1	1757.7	1771.8	1788.9	1793.1	1762.7	1706.7	1643.0
72.5°	1298.5	1300.3	1310.7	1314.4	1353.3	1349.3	1364.7	1314.6	1292.6	1239.3	1206.7
75°	683.3	672.2	701.2	639.7	614.5	632.1	582.8	535.5	545.4	553.5	494.6
77.5°	241.5	225.9	199.4	188.7	157.0	133.0	108.7	98.1	92.4	89.4	85.7
80°	173.4	178.3	172.9	160.0	136.0	109.0	85.9	67.9	58.2	53.0	49.5
82.5°	175.4	194.9	203.6	199.9	178.1	134.7	88.9	56.7	42.1	35.2	32.7
85°	94.1	103.0	99.1	83.5	75.0	44.8	30.7	20.6	17.3	15.9	14.6
87.5°	3.7	3.0	2.5	2.5	2.7	3.0	2.5	2.7	2.5	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



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CATALOG NUMBER: ICS-F01-LED-E1-T2

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	228.4	228.4	228.4	228.1	227.6	226.4	225.1	224.1	223.4	222.7	221.7
5°	232.8	232.3	232.3	232.3	230.3	228.4	226.6	224.9	223.4	222.2	221.2
7.5°	240.2	240.0	239.0	238.8	237.3	234.0	232.1	229.1	227.4	225.6	225.1
10°	249.2	248.9	248.7	248.4	246.4	243.2	240.7	238.0	235.5	233.1	230.6
12.5°	259.6	259.3	259.1	258.3	257.6	255.8	253.1	250.1	247.2	242.0	239.3
15°	272.4	272.9	272.4	272.2	271.7	271.9	270.2	266.0	261.3	254.6	248.9
17.5°	289.5	289.0	288.8	289.8	289.5	290.8	290.3	284.8	277.6	267.0	257.1
20°	308.4	308.4	309.3	310.1	312.3	315.5	314.0	307.4	294.2	279.4	266.5
22.5°	330.9	331.4	332.4	331.9	335.3	340.5	341.0	331.6	314.5	294.0	275.9
25°	354.4	354.9	353.9	355.4	361.1	368.5	370.0	356.6	334.1	307.4	283.8
27.5°	376.7	377.2	377.2	379.2	384.6	397.3	398.8	383.9	353.9	319.0	289.5
30°	398.5	400.5	401.0	401.5	409.6	427.2	430.5	408.9	371.3	327.7	293.5
32.5°	426.0	426.7	427.7	429.0	438.4	459.9	459.9	430.5	382.4	333.1	294.2
35°	455.5	455.7	457.9	458.2	471.6	493.1	488.9	448.3	390.3	331.9	288.8
37.5°	473.3	474.3	476.5	479.5	493.6	524.1	514.4	463.6	391.8	323.7	276.4
40°	495.3	497.3	499.6	502.5	523.6	555.5	536.0	473.3	385.6	307.6	257.8
42.5°	519.1	521.8	525.3	530.8	555.8	583.3	552.3	474.8	371.5	289.5	235.8
45°	545.9	550.8	554.8	561.2	589.5	607.3	562.2	466.1	353.7	265.8	212.3
47.5°	576.8	580.8	587.7	594.7	622.9	623.6	563.2	449.3	329.4	242.0	187.2
50°	615.0	617.4	627.8	632.1	658.6	640.7	556.0	426.5	303.9	215.2	159.5
52.5°	665.7	669.2	682.6	689.0	707.8	664.0	545.9	401.7	274.7	185.3	131.0
55°	766.0	781.2	790.6	801.7	813.8	716.8	541.4	375.2	241.7	150.6	103.8
57.5°	1047.6	1042.7	1063.5	1088.8	1088.5	837.4	568.2	352.4	202.8	115.2	79.8
60°	1467.2	1471.9	1461.3	1476.4	1428.3	987.0	604.8	328.4	159.0	85.7	60.9
62.5°	1779.0	1751.8	1736.7	1718.8	1613.1	1003.3	578.1	279.1	115.7	60.2	46.8
65°	1852.8	1820.9	1788.4	1754.5	1595.0	904.5	474.3	204.8	74.8	41.4	37.2
67.5°	1780.0	1728.7	1687.4	1652.5	1461.5	749.7	346.7	125.8	42.8	33.4	31.7
70°	1591.3	1534.6	1467.7	1428.6	1230.7	552.6	222.2	67.9	32.9	29.7	29.0
72.5°	1164.8	1118.2	1045.2	1000.3	883.7	335.8	124.1	38.1	30.7	28.5	27.5
75°	453.7	429.5	399.0	401.5	358.4	148.6	56.2	32.9	30.0	28.0	27.0
77.5°	78.0	76.0	70.3	70.3	80.0	54.2	37.4	33.2	29.7	27.5	25.8
80°	46.8	45.8	43.6	43.1	41.6	38.1	35.9	33.7	29.2	26.0	23.8
82.5°	30.7	29.5	28.7	28.5	31.0	33.4	33.7	33.4	27.7	22.5	19.3
85°	13.1	13.1	13.1	13.4	17.8	27.0	27.7	29.7	22.8	17.6	13.9
87.5°	2.2	2.7	2.7	3.0	3.2	5.9	7.4	9.7	7.7	7.4	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



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**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	227.6	227.6	227.6
2.5°	221.4	220.9	220.9
5°	220.7	220.2	220.4
7.5°	223.6	222.7	222.9
10°	229.1	228.1	227.6
12.5°	236.0	234.8	234.8
15°	243.2	240.2	240.0
17.5°	249.2	245.4	244.9
20°	255.8	250.9	250.1
22.5°	262.0	255.3	254.4
25°	266.5	258.3	257.1
27.5°	268.5	258.8	257.8
30°	270.0	259.1	257.6
32.5°	268.5	256.8	255.6
35°	260.3	247.7	246.9
37.5°	246.2	232.1	231.1
40°	227.6	212.7	210.3
42.5°	203.8	190.0	187.2
45°	180.8	164.9	163.7
47.5°	156.0	140.9	141.7
50°	130.0	116.4	116.2
52.5°	105.3	93.4	92.6
55°	83.0	74.5	73.8
57.5°	65.6	61.2	60.4
60°	53.5	51.3	50.5
62.5°	43.1	42.4	42.1
65°	35.9	35.9	35.9
67.5°	31.2	31.5	31.5
70°	28.7	29.0	28.7
72.5°	27.7	28.5	28.5
75°	27.0	27.5	26.5
77.5°	26.5	26.7	25.0
80°	26.3	26.0	22.8
82.5°	22.8	22.0	19.3
85°	20.8	15.9	13.4
87.5°	10.6	7.4	5.7
90°	0.0	0.0	0.0

(END OF REPORT)