

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: P180661

Luminaire Tested: **ICM-F01-LED-E1-SL3-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180661  
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: ICM-F01-LED-E1-SL3-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1967.8 lumens  
Efficiency: N/A  
Efficacy: 76.0 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

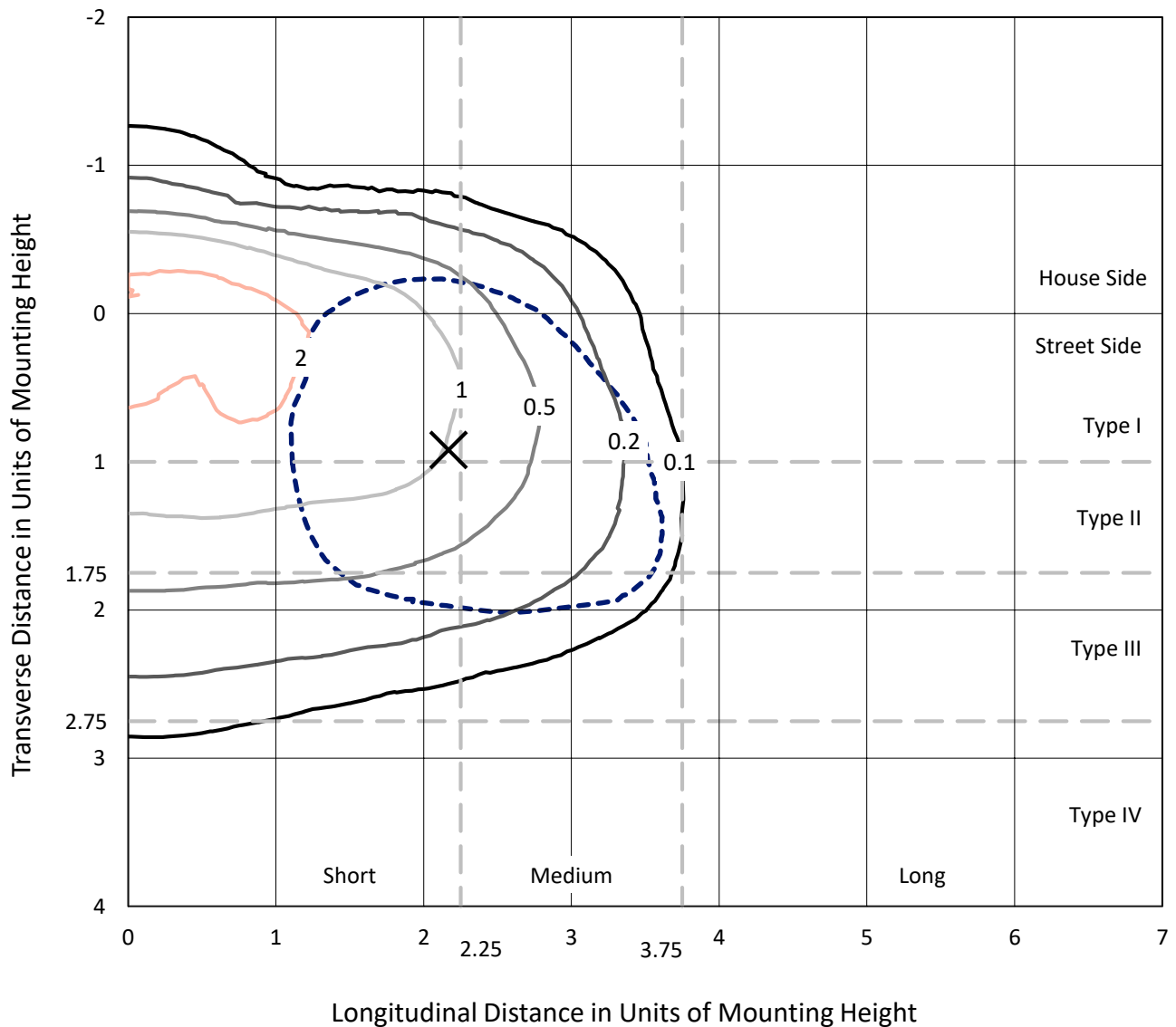
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

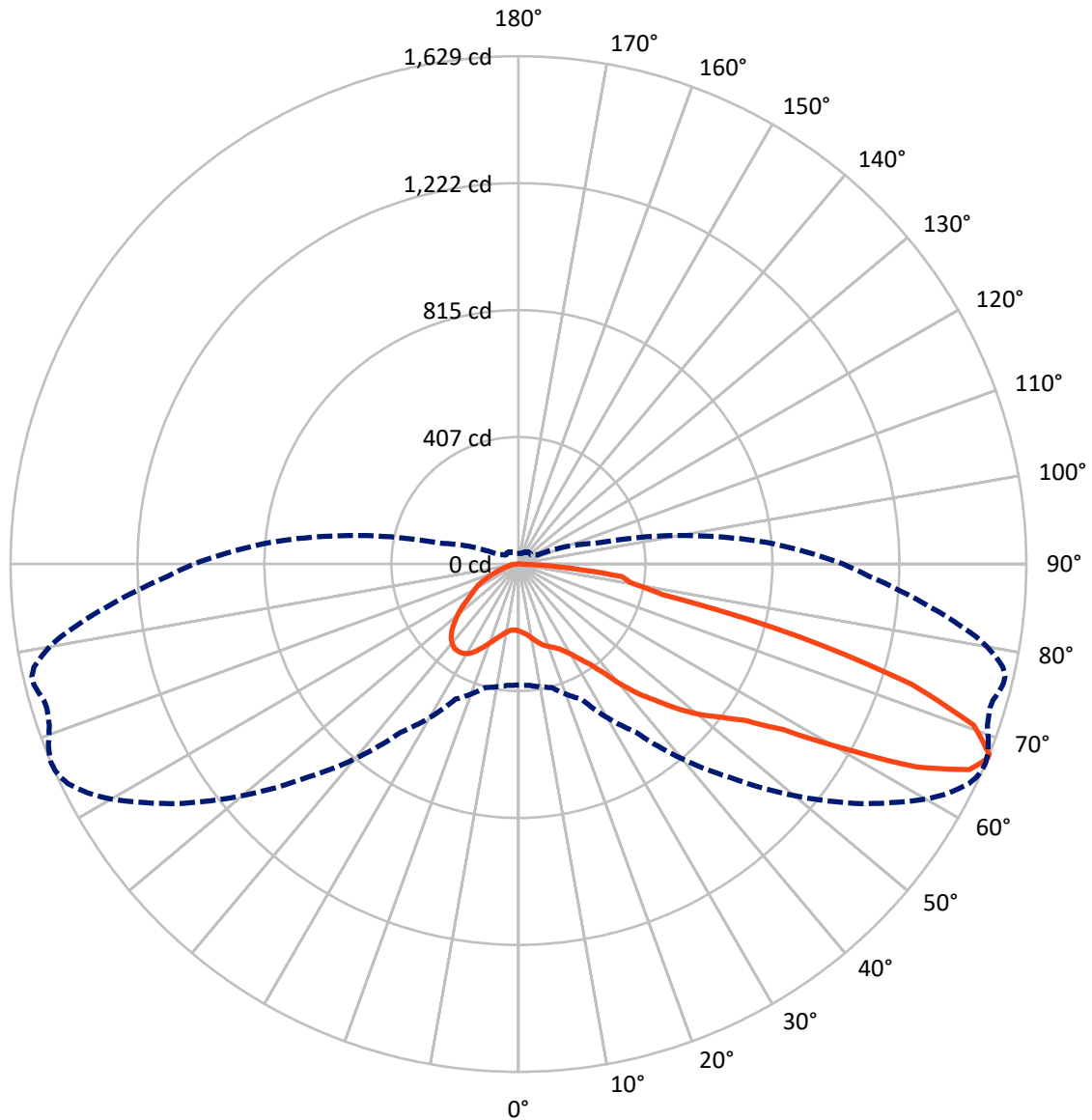
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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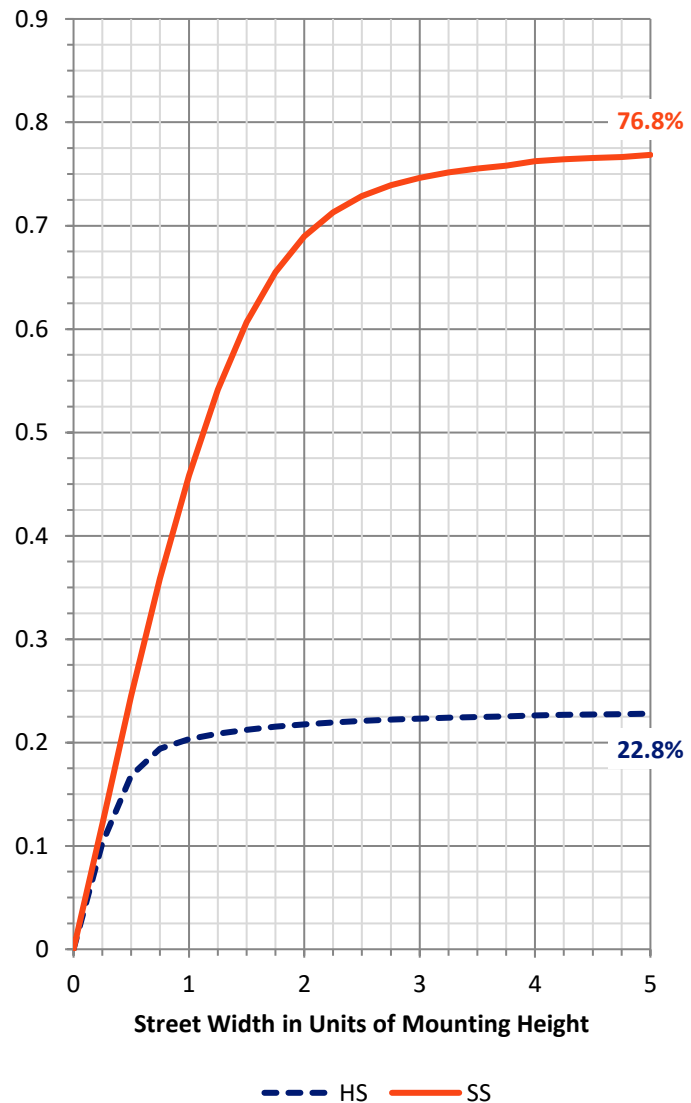
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	454.1	0.0	454.1
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	1513.7	0.0	1513.7
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	1967.8	0.0	1967.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	1.1
10°-20°	73.4	3.7
20°-30°	129.6	6.6
30°-40°	186.0	9.5
40°-50°	282.5	14.4
50°-60°	415.9	21.1
60°-70°	552.7	28.1
70°-80°	270.4	13.7
80°-90°	35.9	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°	1967.8	100.0
0°-180°	1967.8	100.0



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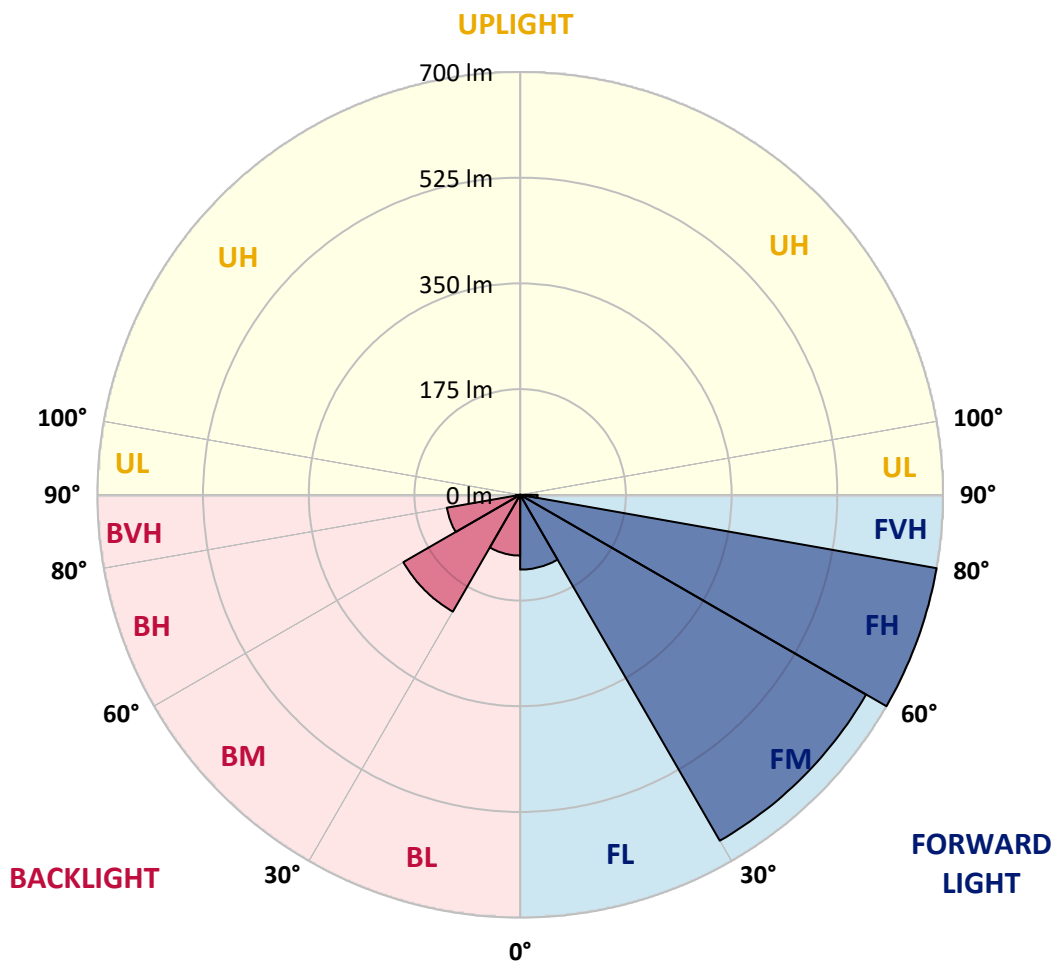
CATALOG NUMBER: ICM-F01-LED-E1-SL3-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.8	6.3			
FM	(30°-60°)	661.2	33.6			
FH	(60°-80°)	699.9	35.6			G1/1800
FVH	(80°-90°)	28.8	1.5			G1/100
BL	(0°-30°)	100.6	5.1	B0/110		
BM	(30°-60°)	223.3	11.3	B1/1000		
BH	(60°-80°)	123.2	6.3	B1/500		G1/500
BVH	(80°-90°)	7.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	225.1	225.3	224.9	224.7	223.4	222.0	221.2	220.2	220.2	220.2	219.7
5°	237.9	237.0	237.7	236.1	233.6	231.2	228.7	226.9	226.4	226.4	225.6
7.5°	253.2	252.1	251.7	249.5	245.7	242.1	237.4	235.4	234.4	234.0	233.6
10°	271.8	271.8	268.9	265.3	260.1	254.0	248.8	245.4	245.2	245.2	243.3
12.5°	290.8	291.3	287.5	283.9	275.4	267.4	261.4	257.5	257.3	256.5	255.4
15°	308.3	307.3	304.8	299.4	290.1	280.7	273.1	269.2	268.3	267.4	266.8
17.5°	322.8	321.7	318.7	311.7	302.0	290.8	281.5	277.4	276.9	276.6	275.6
20°	331.8	331.0	326.7	318.7	308.5	297.0	287.2	284.3	283.4	283.4	283.0
22.5°	337.0	335.7	329.5	318.9	308.9	300.6	292.3	290.6	290.0	290.1	290.1
25°	339.6	338.5	329.7	314.5	305.0	302.7	299.3	298.1	298.3	298.6	299.0
27.5°	340.1	338.5	328.2	308.9	300.1	306.8	309.1	310.9	310.9	311.7	313.3
30°	336.8	335.1	325.1	304.7	298.0	315.0	324.5	329.0	330.8	330.3	333.8
32.5°	331.2	330.1	322.1	304.7	304.0	331.2	348.0	354.5	355.4	355.8	359.7
35°	329.2	329.0	325.6	315.0	322.8	359.7	385.4	390.4	391.4	391.4	394.2
37.5°	328.8	329.9	333.8	334.4	355.8	402.0	435.7	443.4	443.4	445.5	445.5
40°	328.8	331.2	345.9	363.4	396.2	457.1	503.8	512.5	512.5	514.8	513.5
42.5°	341.6	345.0	369.2	402.5	447.2	514.0	567.5	577.3	578.0	577.3	579.2
45°	366.6	369.7	399.1	446.8	499.7	574.9	628.5	640.1	637.8	639.3	639.9
47.5°	399.9	404.7	438.1	495.2	550.9	631.3	696.7	707.4	706.4	707.1	704.3
50°	435.4	440.3	477.7	543.2	601.9	676.7	751.6	767.4	765.9	767.0	768.5
52.5°	466.6	469.7	505.8	579.2	640.6	719.0	793.8	813.4	816.8	817.3	818.3
55°	485.2	488.9	522.0	597.1	668.7	760.5	842.0	871.7	878.4	880.2	884.9
57.5°	491.7	495.6	525.7	599.7	684.0	799.4	909.1	961.6	967.3	976.5	991.6
60°	491.5	495.6	521.8	593.9	699.5	847.5	1013.7	1101.6	1130.1	1139.6	1161.2
62.5°	471.4	476.2	502.7	576.2	719.4	909.1	1169.2	1304.5	1341.2	1358.5	1381.8
65°	427.4	430.8	455.6	531.3	713.8	969.8	1299.3	1468.0	1501.5	1526.8	1568.5
67°	388.2	390.4	409.9	478.1	658.9	972.0	1340.3	1508.7	1537.8	1564.6	1607.5
67.5°	378.3	382.8	398.0	461.9	638.4	959.6	1337.5	1502.3	1532.2	1560.0	1605.4
70°	307.8	314.3	321.9	364.9	501.9	807.4	1238.3	1393.9	1420.0	1446.0	1509.3
72.5°	189.9	201.6	203.1	230.3	326.7	558.0	1002.1	1175.4	1195.2	1213.8	1278.5
75°	111.9	113.7	119.1	141.1	191.6	333.6	672.3	873.2	891.4	900.5	951.3
77.5°	62.4	64.2	68.7	87.7	147.3	224.7	391.4	513.1	524.1	535.5	527.4
80°	26.0	28.3	30.4	35.4	68.9	177.4	269.2	326.2	333.4	340.1	348.5
82.5°	12.6	13.4	16.5	18.8	25.0	72.8	211.1	282.8	291.3	300.9	320.7
85°	5.9	6.5	9.1	10.8	12.1	18.3	70.6	137.6	149.3	151.4	155.3
87.5°	0.5	0.5	1.1	1.5	2.1	2.4	7.3	10.3	11.6	10.6	13.4
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°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	219.5	219.3	218.9	218.9	218.6	218.6	218.6	218.2	218.2	218.2	218.0
5°	225.3	225.1	224.5	224.5	224.0	224.0	223.4	223.2	222.7	222.7	222.5
7.5°	232.9	232.7	231.8	231.8	231.2	231.0	230.5	229.9	229.9	229.4	229.0
10°	243.3	242.6	242.4	241.3	241.6	241.1	240.7	240.0	239.6	239.2	238.7
12.5°	254.9	254.9	253.9	253.2	253.7	253.2	252.4	252.1	251.4	251.4	250.8
15°	266.0	266.0	265.5	264.7	264.8	264.2	264.0	263.5	262.7	262.9	262.7
17.5°	275.4	275.4	274.8	274.4	274.4	273.8	274.0	273.5	273.1	272.8	272.2
20°	283.0	283.0	282.6	282.1	282.3	282.3	281.7	281.7	281.7	281.3	281.3
22.5°	290.3	290.6	290.6	290.6	290.8	291.0	290.8	291.3	291.0	291.4	291.4
25°	300.1	300.7	301.1	301.1	302.2	302.4	302.7	303.4	303.4	304.0	304.2
27.5°	314.5	315.0	316.7	317.1	317.4	319.1	319.4	320.2	321.0	321.2	321.5
30°	334.4	335.5	336.8	337.7	337.7	339.8	340.7	340.3	342.6	343.3	344.2
32.5°	361.0	361.9	363.2	364.0	364.9	366.0	366.2	367.3	369.2	371.0	369.9
35°	394.5	396.7	394.5	396.8	397.5	399.1	398.6	399.9	400.7	401.4	401.2
37.5°	443.1	442.0	441.6	440.7	439.3	444.4	441.8	441.6	440.3	444.0	441.6
40°	507.1	507.7	508.4	504.9	503.0	503.0	502.3	499.9	498.9	502.0	501.7
42.5°	573.8	574.4	571.4	569.3	564.3	563.6	560.7	560.0	558.9	560.7	558.9
45°	634.5	635.0	628.3	629.3	625.4	626.1	621.3	623.3	620.7	622.4	625.7
47.5°	702.3	703.3	697.4	699.7	695.9	693.5	693.3	694.6	691.7	693.5	694.3
50°	763.9	762.9	759.8	760.5	758.7	759.2	756.6	759.0	755.7	759.2	758.7
52.5°	818.6	817.3	816.7	818.8	817.3	817.3	815.8	816.8	817.3	822.5	823.5
55°	884.9	886.0	887.1	891.0	892.7	889.9	892.7	898.1	898.3	910.6	917.3
57.5°	991.4	999.0	1002.9	1005.2	1015.4	1014.3	1020.8	1033.8	1035.1	1063.5	1080.2
60°	1177.2	1190.6	1203.4	1196.5	1216.9	1223.3	1227.2	1251.4	1258.9	1285.9	1300.4
62.5°	1411.8	1413.3	1433.2	1427.0	1438.6	1435.8	1440.6	1451.6	1461.5	1483.8	1497.4
65°	1575.6	1582.7	1590.5	1582.5	1582.3	1572.8	1566.7	1566.5	1572.6	1577.3	1592.5
67°	1620.1	1627.3	1629.2	1623.4	1614.9	1602.8	1591.6	1585.8	1581.9	1584.0	1593.5
67.5°	1619.6	1626.3	1628.8	1623.2	1611.5	1601.3	1589.4	1582.7	1577.6	1578.6	1586.6
70°	1527.6	1542.1	1549.9	1551.6	1550.1	1532.4	1522.2	1516.2	1511.9	1501.3	1500.7
72.5°	1294.3	1311.8	1317.9	1327.5	1331.9	1305.8	1294.7	1301.4	1286.3	1252.8	1254.3
75°	950.3	951.6	931.4	927.4	913.0	853.8	836.1	819.9	794.0	753.6	715.5
77.5°	495.4	495.2	471.8	459.9	442.7	407.0	405.3	376.4	356.0	319.1	305.7
80°	351.9	357.6	365.3	369.2	363.2	349.3	330.3	309.8	286.2	263.2	235.4
82.5°	327.4	330.8	334.9	319.7	311.4	291.9	277.4	247.6	231.0	204.6	176.7
85°	159.3	169.8	161.6	152.1	148.8	116.5	112.6	94.0	85.3	70.2	65.5
87.5°	10.1	12.6	11.3	10.1	8.8	4.9	6.7	4.7	4.9	3.6	3.3
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°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	218.0	217.8	217.6	217.3	217.1	217.1	216.9	216.7	216.5	216.0	216.0
5°	222.0	222.0	221.9	221.5	221.5	221.0	220.4	220.2	220.2	219.7	219.3
7.5°	228.7	228.6	228.2	227.9	227.5	227.1	226.6	226.2	226.0	225.3	225.1
10°	239.0	238.5	237.4	237.0	236.7	236.4	235.9	235.4	234.9	234.4	234.2
12.5°	250.4	250.1	249.3	249.8	248.7	248.2	247.8	246.7	247.2	246.3	245.9
15°	261.9	262.0	261.6	261.6	260.7	260.1	259.7	258.8	258.6	258.1	257.8
17.5°	272.0	272.5	271.8	271.4	270.9	270.5	269.6	268.7	268.7	267.9	267.4
20°	281.3	281.7	281.5	281.1	280.5	280.2	279.8	279.2	279.2	278.7	278.0
22.5°	291.9	292.1	292.1	291.9	291.3	291.4	291.0	290.3	290.6	289.7	289.7
25°	304.7	305.0	305.5	305.7	305.3	305.5	305.0	304.7	304.4	304.7	304.4
27.5°	322.1	322.5	323.8	322.8	323.8	324.1	323.4	322.5	323.2	324.3	323.6
30°	345.2	344.8	346.5	346.8	346.5	346.8	346.3	345.7	346.1	348.0	347.0
32.5°	371.2	372.0	372.5	372.9	373.6	374.4	373.8	373.1	374.1	373.6	375.1
35°	402.5	404.5	405.1	404.5	404.8	406.4	406.1	406.4	408.6	406.4	409.2
37.5°	442.0	444.0	445.5	444.7	445.7	445.7	447.4	452.2	449.1	453.0	456.1
40°	499.5	502.5	502.7	502.5	503.6	504.9	506.6	511.8	508.4	512.5	515.3
42.5°	558.7	562.3	563.6	561.5	563.9	566.7	566.9	571.4	571.6	572.3	573.8
45°	625.4	628.7	631.3	630.2	630.4	634.1	633.2	637.6	634.3	634.3	635.2
47.5°	696.6	699.5	701.3	703.0	700.8	704.1	705.6	704.7	700.8	700.0	694.8
50°	761.3	763.9	766.5	771.3	771.1	772.6	773.7	769.8	768.9	764.2	758.3
52.5°	830.1	836.7	842.6	852.5	854.1	859.2	857.2	850.8	849.7	842.0	834.1
55°	925.8	944.9	953.4	968.8	979.1	978.9	974.6	973.5	965.3	949.7	940.5
57.5°	1092.3	1122.3	1136.8	1156.7	1159.9	1158.0	1152.4	1142.4	1128.2	1102.1	1085.2
60°	1332.8	1351.4	1368.2	1372.9	1375.4	1371.6	1352.0	1330.0	1302.1	1266.1	1236.0
62.5°	1514.4	1533.5	1546.0	1544.1	1529.1	1510.3	1481.6	1444.7	1405.6	1365.2	1320.3
65°	1606.9	1614.9	1612.9	1597.9	1572.4	1539.5	1497.6	1452.0	1406.1	1358.2	1311.6
67°	1602.0	1602.1	1589.0	1559.6	1527.0	1485.8	1434.5	1384.8	1330.8	1280.7	1225.2
67.5°	1593.1	1592.2	1573.9	1541.7	1506.4	1463.9	1410.8	1359.4	1303.4	1252.8	1195.4
70°	1492.8	1480.8	1439.3	1387.8	1338.8	1281.3	1225.6	1166.6	1103.5	1060.1	994.1
72.5°	1226.7	1185.9	1114.3	1060.6	1008.1	932.8	898.1	824.8	780.6	752.9	703.0
75°	710.3	676.2	620.9	570.6	545.1	500.6	479.4	425.6	414.3	414.0	396.7
77.5°	271.2	236.6	200.9	161.9	137.6	109.3	96.4	86.2	78.4	83.8	76.1
80°	203.3	167.3	130.7	95.1	67.8	50.1	43.0	39.7	37.8	36.3	35.3
82.5°	151.4	119.4	92.7	60.5	42.3	32.0	27.6	26.0	25.0	23.5	22.2
85°	51.2	41.0	32.4	22.5	17.7	14.5	13.4	12.9	12.3	11.3	10.6
87.5°	2.8	2.6	2.8	2.1	2.6	2.1	2.4	2.4	2.4	2.1	2.1
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	215.8	215.8	215.8	215.4	214.8	213.5	212.2	211.1	210.0	209.3	208.9
5°	219.1	218.6	218.4	218.2	216.7	214.1	211.7	209.6	207.4	205.7	205.0
7.5°	224.9	224.0	223.8	223.2	221.2	217.3	213.9	210.4	207.4	205.0	203.9
10°	233.8	233.8	232.5	231.6	229.4	224.3	219.3	214.8	210.6	208.1	207.4
12.5°	245.0	245.0	243.9	243.3	240.7	234.0	227.9	222.5	218.6	216.0	215.8
15°	256.7	256.5	255.5	254.7	251.9	244.7	238.7	234.0	230.7	227.7	226.9
17.5°	267.1	267.1	266.0	265.1	262.2	256.2	250.8	247.4	243.7	237.4	232.7
20°	277.4	277.6	276.7	275.9	273.5	268.3	266.0	262.5	254.3	240.7	229.4
22.5°	288.8	289.7	288.7	287.8	285.9	283.6	282.8	274.6	257.3	235.4	219.1
25°	303.5	305.0	303.7	303.4	302.2	302.9	300.3	281.3	253.0	224.3	203.7
27.5°	323.6	323.6	323.8	323.8	323.4	325.8	316.3	281.5	243.4	209.8	185.4
30°	347.2	348.5	348.0	348.0	349.8	351.3	325.1	276.7	231.4	191.8	162.9
32.5°	375.4	376.6	377.0	375.1	382.0	374.1	328.4	268.1	216.5	169.6	136.1
35°	409.6	411.2	412.2	412.5	416.9	394.0	326.7	255.4	195.1	141.8	106.7
37.5°	454.1	457.1	459.5	460.6	460.8	410.9	321.9	238.5	167.3	110.6	79.5
40°	513.3	516.6	515.9	518.0	505.8	420.8	311.1	214.1	132.7	81.2	61.4
42.5°	570.3	570.8	571.6	569.7	544.7	426.0	296.0	184.3	99.3	60.7	52.5
45°	634.1	630.4	626.3	623.3	580.5	428.0	275.3	148.0	70.2	51.0	48.7
47.5°	694.0	688.9	680.6	671.9	612.5	424.9	248.7	110.8	53.4	46.7	46.0
50°	752.7	743.4	731.5	721.6	643.2	420.4	219.3	79.9	46.7	44.5	43.8
52.5°	825.5	810.0	794.4	781.4	683.2	413.3	188.4	60.7	43.8	42.8	42.0
55°	925.3	903.7	878.6	860.5	737.4	402.5	156.0	51.4	42.6	41.7	40.4
57.5°	1063.5	1031.2	1002.9	973.3	811.4	391.4	128.1	47.7	42.3	41.0	39.3
60°	1204.8	1166.0	1129.9	1087.5	887.1	380.5	108.7	47.3	43.0	41.0	38.4
62.5°	1278.3	1238.1	1194.7	1151.7	919.7	354.5	95.3	48.0	44.5	41.7	38.4
65°	1261.5	1212.5	1168.4	1124.5	881.9	305.5	80.6	48.8	47.5	44.3	39.1
67°	1176.8	1125.6	1083.3	1041.3	797.6	255.8	69.1	49.7	50.8	47.3	40.4
67.5°	1147.0	1095.7	1054.1	1013.2	772.7	245.4	66.3	50.1	51.4	48.2	40.8
70°	951.0	913.4	869.1	837.6	625.7	181.7	54.4	51.0	55.3	53.1	42.8
72.5°	684.5	648.6	615.3	597.8	460.8	127.1	45.8	50.1	57.7	56.0	43.6
75°	363.8	361.7	349.6	358.2	285.2	83.0	40.4	46.9	55.1	51.2	40.7
77.5°	73.5	75.6	88.8	87.5	92.0	46.2	34.6	40.2	42.6	37.6	33.0
80°	34.1	33.5	32.8	33.3	32.7	29.6	28.1	31.5	29.6	24.2	22.0
82.5°	21.2	20.7	20.1	19.9	22.0	23.5	24.7	24.8	19.6	16.8	16.2
85°	10.1	10.1	10.0	10.3	12.9	19.3	20.7	18.3	13.2	12.1	11.4
87.5°	2.0	2.0	2.1	2.0	2.6	4.6	5.2	6.0	4.9	5.2	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):**

	165°	175°	180°
0°	215.0	215.0	215.0
2.5°	208.5	208.1	208.1
5°	204.2	203.9	203.9
7.5°	203.1	203.3	203.1
10°	207.2	207.0	207.8
12.5°	216.3	216.9	216.7
15°	225.8	226.2	226.2
17.5°	228.6	227.1	226.9
20°	221.2	218.4	217.8
22.5°	207.4	202.2	202.4
25°	189.9	183.6	184.1
27.5°	169.6	162.9	162.7
30°	145.2	137.9	134.1
32.5°	115.8	107.0	107.0
35°	87.1	79.9	77.3
37.5°	66.1	62.0	60.7
40°	55.1	53.1	52.7
42.5°	50.1	49.5	49.3
45°	47.5	47.1	46.9
47.5°	45.1	44.9	44.7
50°	43.4	43.2	43.0
52.5°	42.0	41.5	41.3
55°	39.7	39.7	39.7
57.5°	38.4	38.4	38.2
60°	37.1	36.9	36.9
62.5°	36.1	35.6	35.9
65°	35.4	34.8	34.8
67°	35.0	33.7	33.7
67.5°	35.0	33.3	33.3
70°	34.3	31.5	31.1
72.5°	33.7	29.6	28.9
75°	32.0	28.1	27.4
77.5°	27.4	25.0	24.7
80°	21.2	18.3	18.8
82.5°	15.3	13.2	12.9
85°	11.0	9.5	9.5
87.5°	5.9	4.9	5.2
90°	0.0	0.0	0.0

(END OF REPORT)