

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: P180721

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180721  
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: ICS-F01-LED-E1-SL3-8030  
Description: ICON SITE SMALL 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: 1904 lumens  
Efficiency: N/A  
Efficacy: 73.5 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

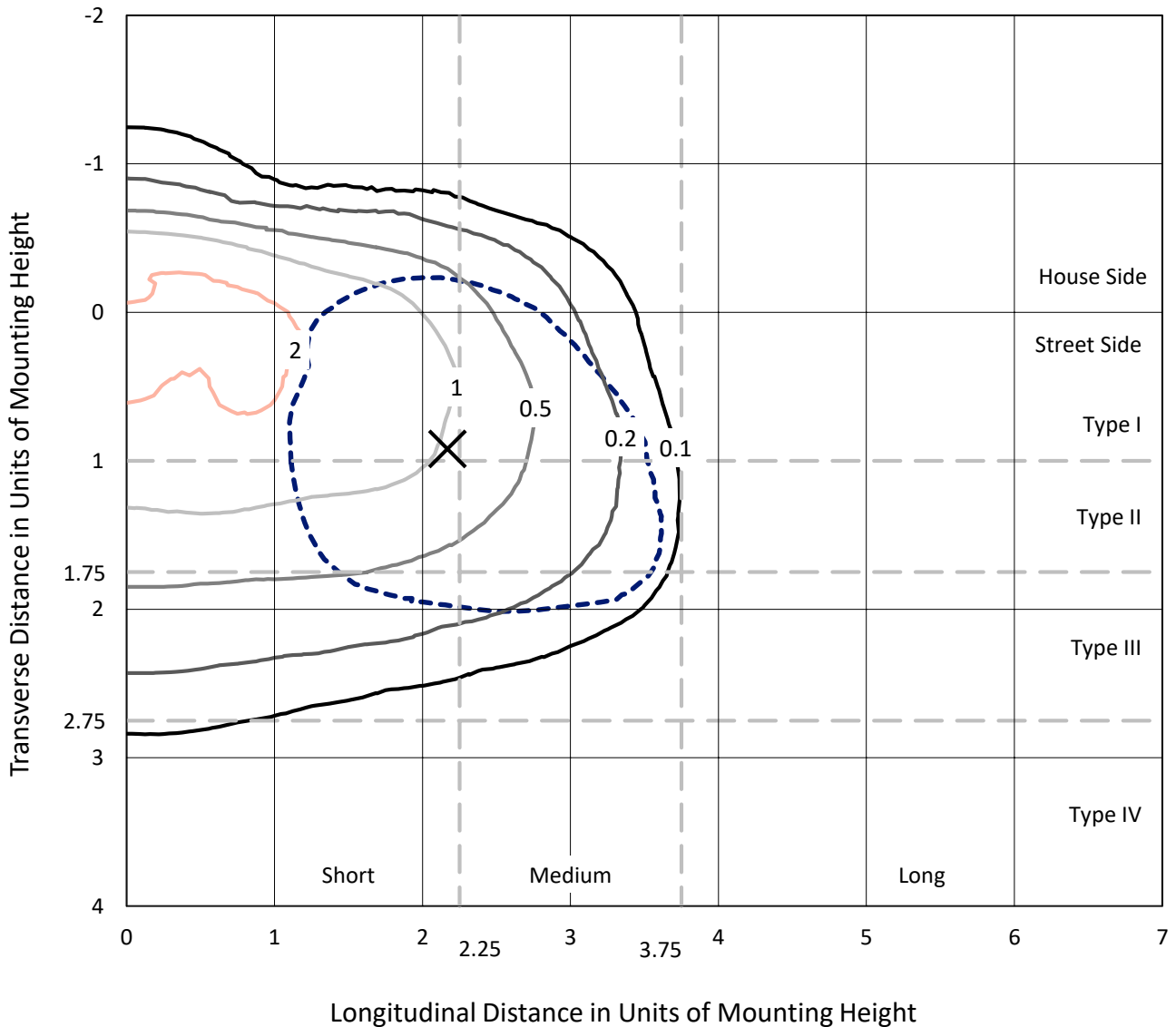


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

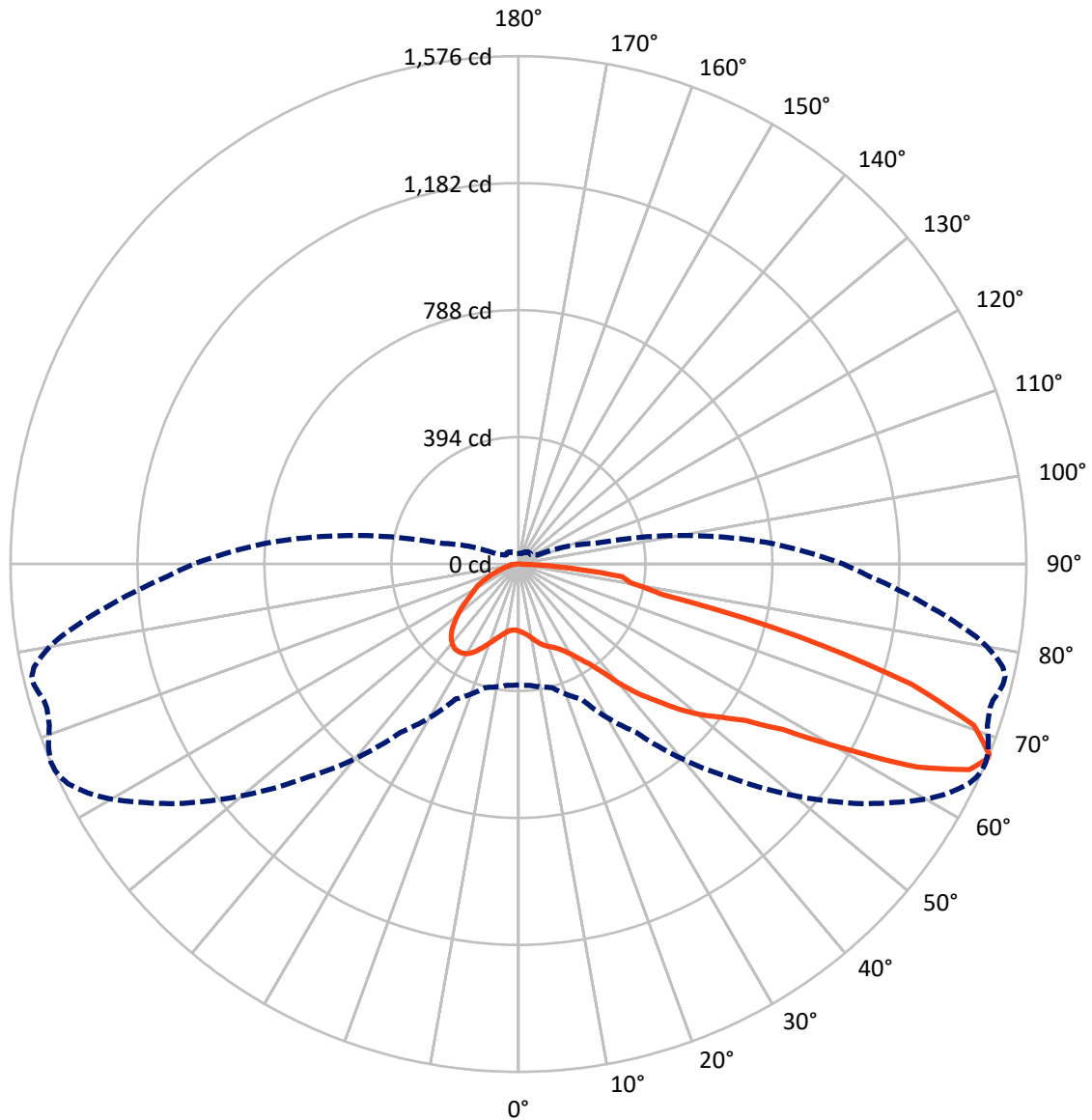


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



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

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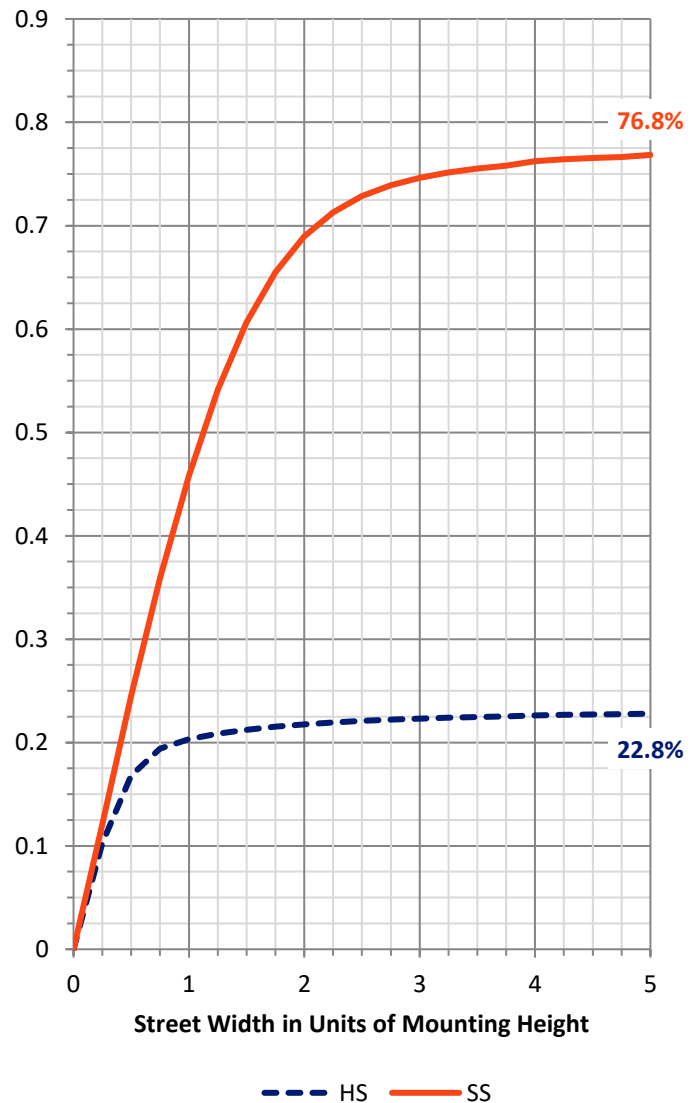
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	439.4	0.0	439.4
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	1464.6	0.0	1464.6
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	1904.0	0.0	1904.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.7	1.1
10°-20°	71.0	3.7
20°-30°	125.4	6.6
30°-40°	180.0	9.5
40°-50°	273.3	14.4
50°-60°	402.4	21.1
60°-70°	534.8	28.1
70°-80°	261.6	13.7
80°-90°	34.7	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°	1904.0	100.0
0°-180°	1904.0	100.0



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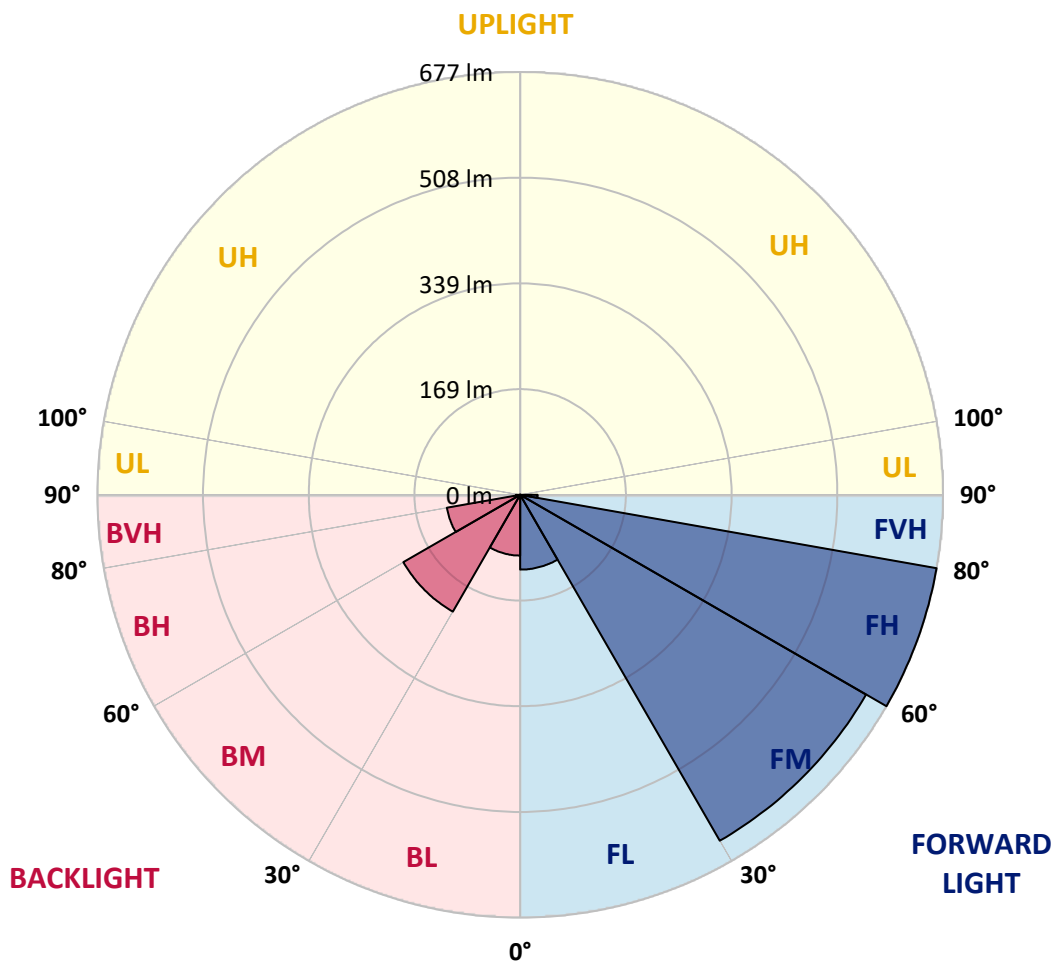
CATALOG NUMBER: ICS-F01-LED-E1-SL3-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.8	6.3			
FM	(30°-60°)	639.7	33.6			
FH	(60°-80°)	677.2	35.6			G1/1800
FVH	(80°-90°)	27.9	1.5			G1/100
BL	(0°-30°)	97.3	5.1	B0/110		
BM	(30°-60°)	216.0	11.3	B0/220		
BH	(60°-80°)	119.2	6.3	B1/500		G1/500
BVH	(80°-90°)	6.8	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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	217.8	218.0	217.6	217.4	216.1	214.9	214.0	213.0	213.0	213.0	212.6
5°	230.1	229.3	229.9	228.5	226.0	223.7	221.4	219.5	219.1	219.1	218.2
7.5°	245.0	243.9	243.5	241.4	237.7	234.3	229.7	227.8	226.8	226.4	226.0
10°	263.0	263.0	260.2	256.7	251.7	245.8	240.8	237.5	237.3	237.3	235.4
12.5°	281.4	281.8	278.2	274.7	266.5	258.8	252.9	249.2	249.0	248.1	247.1
15°	298.3	297.2	294.9	289.7	280.7	271.5	264.2	260.5	259.6	258.8	258.2
17.5°	312.3	311.2	308.3	301.6	292.2	281.4	272.4	268.4	268.0	267.6	266.7
20°	321.1	320.2	316.1	308.3	298.5	287.4	277.8	275.1	274.3	274.3	273.8
22.5°	326.1	324.8	318.8	308.5	298.9	290.8	282.8	281.1	280.5	280.7	280.7
25°	328.6	327.6	319.0	304.4	295.2	292.9	289.5	288.5	288.7	288.9	289.3
27.5°	329.0	327.6	317.5	298.9	290.3	296.8	299.1	300.8	300.8	301.6	303.1
30°	325.9	324.2	314.6	294.7	288.3	304.8	314.0	318.4	320.0	319.6	323.0
32.5°	320.4	319.4	311.7	294.7	294.1	320.4	336.8	343.0	343.9	344.3	348.0
35°	318.6	318.4	315.0	304.8	312.3	348.0	372.9	377.7	378.8	378.8	381.5
37.5°	318.1	319.2	323.0	323.6	344.3	389.0	421.6	428.9	428.9	431.0	431.0
40°	318.1	320.4	334.7	351.6	383.4	442.3	487.5	495.8	495.8	498.1	496.9
42.5°	330.5	333.8	357.2	389.4	432.7	497.3	549.1	558.5	559.2	558.5	560.4
45°	354.7	357.7	386.1	432.3	483.5	556.2	608.1	619.4	617.1	618.5	619.2
47.5°	386.9	391.5	423.9	479.1	533.0	610.8	674.1	684.4	683.5	684.2	681.4
50°	421.2	426.0	462.2	525.5	582.4	654.7	727.2	742.5	741.0	742.1	743.5
52.5°	451.5	454.4	489.3	560.4	619.8	695.7	768.0	787.0	790.4	790.8	791.8
55°	469.5	473.0	505.0	577.8	647.0	735.8	814.6	843.4	849.9	851.6	856.2
57.5°	475.8	479.5	508.6	580.3	661.8	773.4	879.6	930.4	935.8	944.8	959.5
60°	475.5	479.5	504.8	574.6	676.8	820.0	980.8	1065.9	1093.4	1102.6	1123.5
62.5°	456.1	460.7	486.4	557.5	696.1	879.6	1131.3	1262.1	1297.7	1314.4	1337.0
65°	413.5	416.8	440.8	514.0	690.6	938.3	1257.1	1420.4	1452.8	1477.2	1517.6
67°	375.6	377.7	396.5	462.6	637.5	940.4	1296.8	1459.7	1487.9	1513.8	1555.4
67.5°	366.0	370.4	385.0	446.9	617.7	928.5	1294.1	1453.6	1482.5	1509.4	1553.3
70°	297.9	304.1	311.5	353.1	485.6	781.2	1198.2	1348.7	1374.0	1399.1	1460.3
72.5°	183.7	195.0	196.5	222.8	316.1	539.9	969.5	1137.3	1156.4	1174.3	1237.1
75°	108.3	110.0	115.2	136.5	185.4	322.7	650.5	844.9	862.5	871.2	920.4
77.5°	60.4	62.1	66.5	84.9	142.6	217.4	378.8	496.5	507.1	518.2	510.2
80°	25.1	27.4	29.5	34.3	66.7	171.6	260.5	315.6	322.5	329.0	337.2
82.5°	12.1	13.0	15.9	18.2	24.2	70.4	204.2	273.6	281.8	291.2	310.2
85°	5.6	6.3	8.8	10.5	11.7	17.8	68.4	133.2	144.4	146.5	150.3
87.5°	0.4	0.4	1.0	1.5	2.1	2.3	7.1	10.0	11.3	10.2	13.0
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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	212.4	212.2	211.7	211.7	211.5	211.5	211.5	211.1	211.1	211.1	210.9
5°	218.0	217.8	217.2	217.2	216.8	216.8	216.1	215.9	215.5	215.5	215.3
7.5°	225.3	225.1	224.3	224.3	223.7	223.5	223.0	222.4	222.4	222.0	221.6
10°	235.4	234.7	234.5	233.5	233.7	233.3	232.9	232.2	231.8	231.4	231.0
12.5°	246.7	246.7	245.6	245.0	245.4	245.0	244.1	243.9	243.3	243.3	242.7
15°	257.3	257.3	256.9	256.1	256.3	255.6	255.4	255.0	254.2	254.4	254.2
17.5°	266.5	266.5	265.9	265.5	265.5	264.8	265.1	264.6	264.2	264.0	263.4
20°	273.8	273.8	273.4	273.0	273.2	273.2	272.6	272.6	272.6	272.2	272.2
22.5°	280.9	281.1	281.1	281.1	281.4	281.6	281.4	281.8	281.6	282.0	282.0
25°	290.3	291.0	291.4	291.4	292.4	292.6	292.9	293.5	293.5	294.1	294.3
27.5°	304.4	304.8	306.4	306.9	307.1	308.7	308.9	309.8	310.6	310.8	311.0
30°	323.6	324.6	325.9	326.7	326.7	328.8	329.6	329.2	331.5	332.2	333.0
32.5°	349.3	350.1	351.4	352.2	353.1	354.1	354.3	355.4	357.2	358.9	357.9
35°	381.7	383.8	381.7	384.0	384.6	386.1	385.7	386.9	387.8	388.4	388.2
37.5°	428.7	427.7	427.3	426.4	425.0	430.0	427.5	427.3	426.0	429.6	427.3
40°	490.6	491.2	491.9	488.5	486.6	486.6	486.0	483.7	482.7	485.8	485.4
42.5°	555.2	555.8	552.9	550.8	546.0	545.4	542.4	541.8	540.8	542.4	540.8
45°	613.9	614.3	607.9	608.9	605.1	605.8	601.2	603.1	600.5	602.2	605.4
47.5°	679.6	680.4	674.8	677.1	673.3	671.0	670.8	672.0	669.3	671.0	671.8
50°	739.1	738.1	735.2	735.8	734.1	734.5	732.0	734.3	731.2	734.5	734.1
52.5°	792.0	790.8	790.1	792.2	790.8	790.8	789.3	790.4	790.8	795.8	796.8
55°	856.2	857.2	858.3	862.0	863.7	861.0	863.7	868.9	869.2	881.1	887.6
57.5°	959.2	966.6	970.3	972.6	982.5	981.4	987.7	1000.2	1001.5	1029.1	1045.2
60°	1139.0	1152.0	1164.3	1157.6	1177.5	1183.5	1187.3	1210.7	1218.0	1244.2	1258.2
62.5°	1366.0	1367.5	1386.7	1380.7	1391.9	1389.2	1393.8	1404.5	1414.1	1435.6	1448.8
65°	1524.5	1531.4	1538.9	1531.2	1531.0	1521.8	1515.9	1515.7	1521.5	1526.1	1540.8
67°	1567.5	1574.4	1576.3	1570.7	1562.5	1550.8	1539.9	1534.3	1530.5	1532.6	1541.8
67.5°	1567.1	1573.6	1575.9	1570.5	1559.2	1549.3	1537.8	1531.4	1526.4	1527.4	1535.1
70°	1478.1	1492.1	1499.6	1501.3	1499.8	1482.7	1472.8	1467.0	1462.8	1452.6	1451.9
72.5°	1252.3	1269.2	1275.1	1284.5	1288.7	1263.4	1252.7	1259.2	1244.6	1212.2	1213.6
75°	919.5	920.8	901.1	897.4	883.4	826.1	809.0	793.3	768.2	729.1	692.3
77.5°	479.3	479.1	456.5	445.0	428.3	393.8	392.1	364.1	344.5	308.7	295.8
80°	340.5	345.9	353.5	357.2	351.4	338.0	319.6	299.8	277.0	254.6	227.8
82.5°	316.7	320.0	324.0	309.4	301.2	282.4	268.4	239.6	223.5	198.0	171.0
85°	154.1	164.3	156.4	147.2	144.0	112.7	108.9	90.9	82.6	67.9	63.3
87.5°	9.8	12.1	10.9	9.8	8.6	4.8	6.5	4.6	4.8	3.6	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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	210.9	210.7	210.5	210.3	210.1	210.1	209.9	209.7	209.5	209.0	209.0
5°	214.9	214.9	214.7	214.3	214.3	213.8	213.2	213.0	213.0	212.6	212.2
7.5°	221.4	221.2	220.7	220.5	220.1	219.7	219.3	218.9	218.6	218.0	217.8
10°	231.2	230.8	229.7	229.3	229.1	228.7	228.3	227.8	227.2	226.8	226.6
12.5°	242.3	242.1	241.2	241.6	240.6	240.2	239.8	238.7	239.1	238.3	237.9
15°	253.3	253.6	253.1	253.1	252.3	251.7	251.3	250.4	250.2	249.8	249.4
17.5°	263.2	263.6	263.0	262.5	262.1	261.7	260.9	260.0	260.0	259.2	258.8
20°	272.2	272.6	272.4	272.0	271.3	271.1	270.7	270.1	270.1	269.7	269.0
22.5°	282.4	282.6	282.6	282.4	281.8	282.0	281.6	280.9	281.1	280.3	280.3
25°	294.7	295.2	295.6	295.8	295.4	295.6	295.2	294.7	294.5	294.7	294.5
27.5°	311.7	312.1	313.3	312.3	313.3	313.5	312.9	312.1	312.7	313.8	313.1
30°	334.0	333.6	335.3	335.5	335.3	335.5	335.1	334.5	334.9	336.8	335.7
32.5°	359.1	360.0	360.4	360.8	361.4	362.3	361.6	361.0	362.0	361.4	362.9
35°	389.4	391.3	391.9	391.3	391.7	393.2	393.0	393.2	395.3	393.2	395.9
37.5°	427.7	429.6	431.0	430.2	431.2	431.2	432.9	437.5	434.6	438.3	441.3
40°	483.3	486.2	486.4	486.2	487.3	488.5	490.2	495.2	491.9	495.8	498.5
42.5°	540.6	544.1	545.4	543.3	545.6	548.3	548.5	552.9	553.1	553.7	555.2
45°	605.1	608.3	610.8	609.7	610.0	613.5	612.7	616.9	613.7	613.7	614.6
47.5°	673.9	676.8	678.5	680.2	678.1	681.2	682.7	681.9	678.1	677.3	672.2
50°	736.6	739.1	741.6	746.2	746.0	747.5	748.5	744.8	743.9	739.3	733.7
52.5°	803.1	809.6	815.2	824.8	826.3	831.3	829.4	823.2	822.1	814.6	807.1
55°	895.7	914.3	922.5	937.3	947.3	947.1	942.9	941.9	934.0	918.9	909.9
57.5°	1056.9	1085.9	1099.9	1119.2	1122.3	1120.4	1115.0	1105.4	1091.6	1066.3	1050.0
60°	1289.5	1307.5	1323.8	1328.4	1330.7	1327.1	1308.1	1286.8	1259.8	1224.9	1195.9
62.5°	1465.3	1483.7	1495.8	1494.0	1479.5	1461.3	1433.5	1397.8	1360.0	1320.9	1277.4
65°	1554.8	1562.5	1560.6	1546.0	1521.3	1489.6	1449.0	1404.9	1360.4	1314.2	1269.0
67°	1550.0	1550.2	1537.4	1509.0	1477.4	1437.5	1388.0	1339.9	1287.6	1239.1	1185.4
67.5°	1541.4	1540.6	1522.8	1491.7	1457.6	1416.4	1365.0	1315.2	1261.1	1212.2	1156.6
70°	1444.4	1432.7	1392.6	1342.8	1295.4	1239.8	1185.8	1128.8	1067.7	1025.7	961.8
72.5°	1186.9	1147.4	1078.2	1026.1	975.3	902.6	868.9	798.1	755.2	728.5	680.2
75°	687.3	654.3	600.8	552.1	527.4	484.3	463.8	411.8	400.9	400.5	383.8
77.5°	262.3	228.9	194.4	156.6	133.2	105.8	93.2	83.4	75.9	81.1	73.6
80°	196.7	161.8	126.5	92.0	65.6	48.5	41.6	38.5	36.6	35.1	34.1
82.5°	146.5	115.6	89.7	58.5	41.0	30.9	26.8	25.1	24.2	22.8	21.5
85°	49.5	39.7	31.4	21.7	17.1	14.0	13.0	12.5	11.9	10.9	10.2
87.5°	2.7	2.5	2.7	2.1	2.5	2.1	2.3	2.3	2.3	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°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0	208.0
2.5°	208.8	208.8	208.8	208.4	207.8	206.5	205.3	204.2	203.2	202.6	202.1
5°	212.0	211.5	211.3	211.1	209.7	207.2	204.9	202.8	200.7	199.0	198.4
7.5°	217.6	216.8	216.6	215.9	214.0	210.3	206.9	203.6	200.7	198.4	197.3
10°	226.2	226.2	224.9	224.1	222.0	217.0	212.2	207.8	203.8	201.3	200.7
12.5°	237.0	237.0	236.0	235.4	232.9	226.4	220.5	215.3	211.5	209.0	208.8
15°	248.3	248.1	247.3	246.4	243.7	236.8	231.0	226.4	223.2	220.3	219.5
17.5°	258.4	258.4	257.3	256.5	253.8	247.9	242.7	239.3	235.8	229.7	225.1
20°	268.4	268.6	267.8	266.9	264.6	259.6	257.3	254.0	246.0	232.9	222.0
22.5°	279.5	280.3	279.3	278.4	276.5	274.5	273.6	265.7	249.0	227.8	212.0
25°	293.7	295.2	293.9	293.5	292.4	293.1	290.6	272.2	244.8	217.0	197.1
27.5°	313.1	313.1	313.3	313.3	312.9	315.2	306.0	272.4	235.6	203.0	179.3
30°	335.9	337.2	336.8	336.8	338.4	339.9	314.6	267.8	223.9	185.6	157.6
32.5°	363.3	364.3	364.8	362.9	369.6	362.0	317.7	259.4	209.5	164.1	131.7
35°	396.3	397.8	398.8	399.0	403.4	381.3	316.1	247.1	188.8	137.1	103.3
37.5°	439.4	442.3	444.6	445.7	445.9	397.6	311.5	230.8	161.8	107.0	76.9
40°	496.7	499.8	499.2	501.3	489.3	407.2	301.0	207.2	128.3	78.6	59.4
42.5°	551.8	552.3	553.1	551.2	527.0	412.2	286.4	178.3	96.2	58.7	50.8
45°	613.5	610.0	606.0	603.1	561.7	414.1	266.3	143.2	67.9	49.3	47.0
47.5°	671.4	666.6	658.5	650.1	592.6	411.2	240.6	107.2	51.6	45.2	44.5
50°	728.3	719.3	707.8	698.2	622.3	406.8	212.2	77.3	45.2	43.1	42.4
52.5°	798.7	783.7	768.6	756.1	661.0	399.9	182.3	58.7	42.4	41.4	40.6
55°	895.3	874.4	850.1	832.6	713.4	389.4	150.9	49.7	41.2	40.3	39.1
57.5°	1029.1	997.7	970.3	941.7	785.1	378.8	124.0	46.2	41.0	39.7	38.0
60°	1165.8	1128.1	1093.2	1052.3	858.3	368.1	105.1	45.8	41.6	39.7	37.2
62.5°	1236.8	1198.0	1155.9	1114.3	889.8	343.0	92.2	46.4	43.1	40.3	37.2
65°	1220.5	1173.1	1130.4	1088.0	853.3	295.6	78.0	47.2	46.0	42.9	37.8
67°	1138.6	1089.1	1048.1	1007.5	771.7	247.5	66.9	48.1	49.1	45.8	39.1
67.5°	1109.8	1060.2	1019.9	980.4	747.7	237.5	64.2	48.5	49.7	46.6	39.5
70°	920.2	883.8	840.9	810.4	605.4	175.8	52.7	49.3	53.5	51.4	41.4
72.5°	662.2	627.5	595.3	578.4	445.9	122.9	44.3	48.5	55.8	54.1	42.2
75°	352.0	349.9	338.2	346.6	275.9	80.3	39.1	45.4	53.3	49.5	39.3
77.5°	71.1	73.2	85.9	84.7	89.0	44.7	33.4	38.9	41.2	36.4	32.0
80°	33.0	32.4	31.8	32.2	31.6	28.6	27.2	30.5	28.6	23.4	21.3
82.5°	20.5	20.1	19.4	19.2	21.3	22.8	23.8	24.0	19.0	16.3	15.7
85°	9.8	9.8	9.6	10.0	12.5	18.6	20.1	17.8	12.8	11.7	11.1
87.5°	1.9	1.9	2.1	1.9	2.5	4.4	5.0	5.9	4.8	5.0	5.6
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°	208.0	208.0	208.0
2.5°	201.7	201.3	201.3
5°	197.5	197.3	197.3
7.5°	196.5	196.7	196.5
10°	200.5	200.3	201.1
12.5°	209.2	209.9	209.7
15°	218.4	218.9	218.9
17.5°	221.2	219.7	219.5
20°	214.0	211.3	210.7
22.5°	200.7	195.7	195.9
25°	183.7	177.7	178.1
27.5°	164.1	157.6	157.4
30°	140.5	133.4	129.8
32.5°	112.0	103.5	103.5
35°	84.2	77.3	74.8
37.5°	64.0	60.0	58.7
40°	53.3	51.4	51.0
42.5°	48.5	47.9	47.7
45°	46.0	45.6	45.4
47.5°	43.7	43.5	43.3
50°	42.0	41.8	41.6
52.5°	40.6	40.1	39.9
55°	38.5	38.5	38.5
57.5°	37.2	37.2	37.0
60°	36.0	35.7	35.7
62.5°	34.9	34.5	34.7
65°	34.3	33.7	33.7
67°	33.9	32.6	32.6
67.5°	33.9	32.2	32.2
70°	33.2	30.5	30.1
72.5°	32.6	28.6	28.0
75°	30.9	27.2	26.5
77.5°	26.5	24.2	23.8
80°	20.5	17.8	18.2
82.5°	14.8	12.8	12.5
85°	10.7	9.2	9.2
87.5°	5.6	4.8	5.0
90°	0.0	0.0	0.0

(END OF REPORT)