

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: P180561

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180561  
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: ICM-F01-LED-E1-SL3-HSS-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

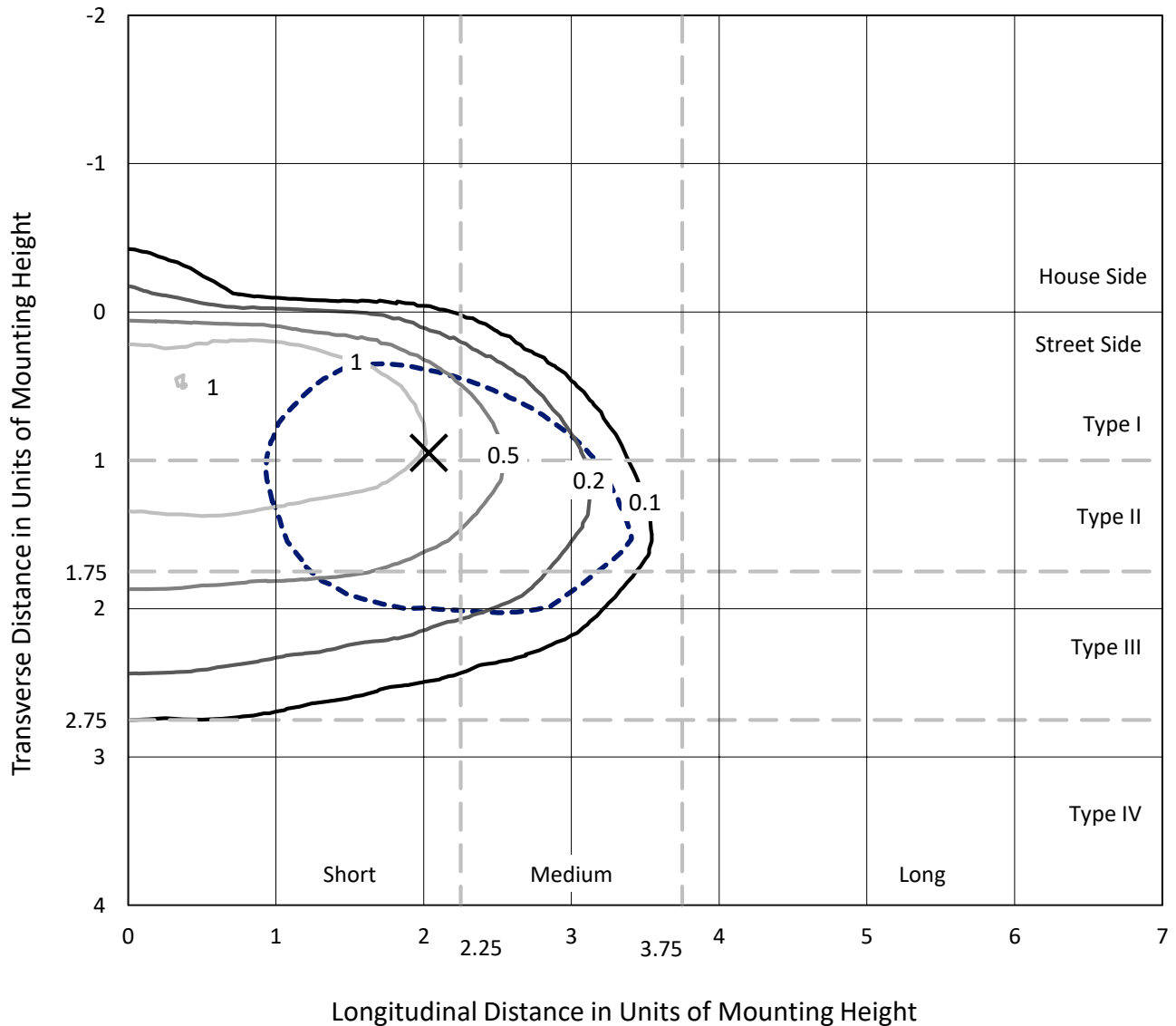
Lumens per Lamp: N/A  
Luminaire Lumens: 1123.8 lumens  
Efficiency: N/A  
Efficacy: 43.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25.9  
Input Voltage (V): NR  
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

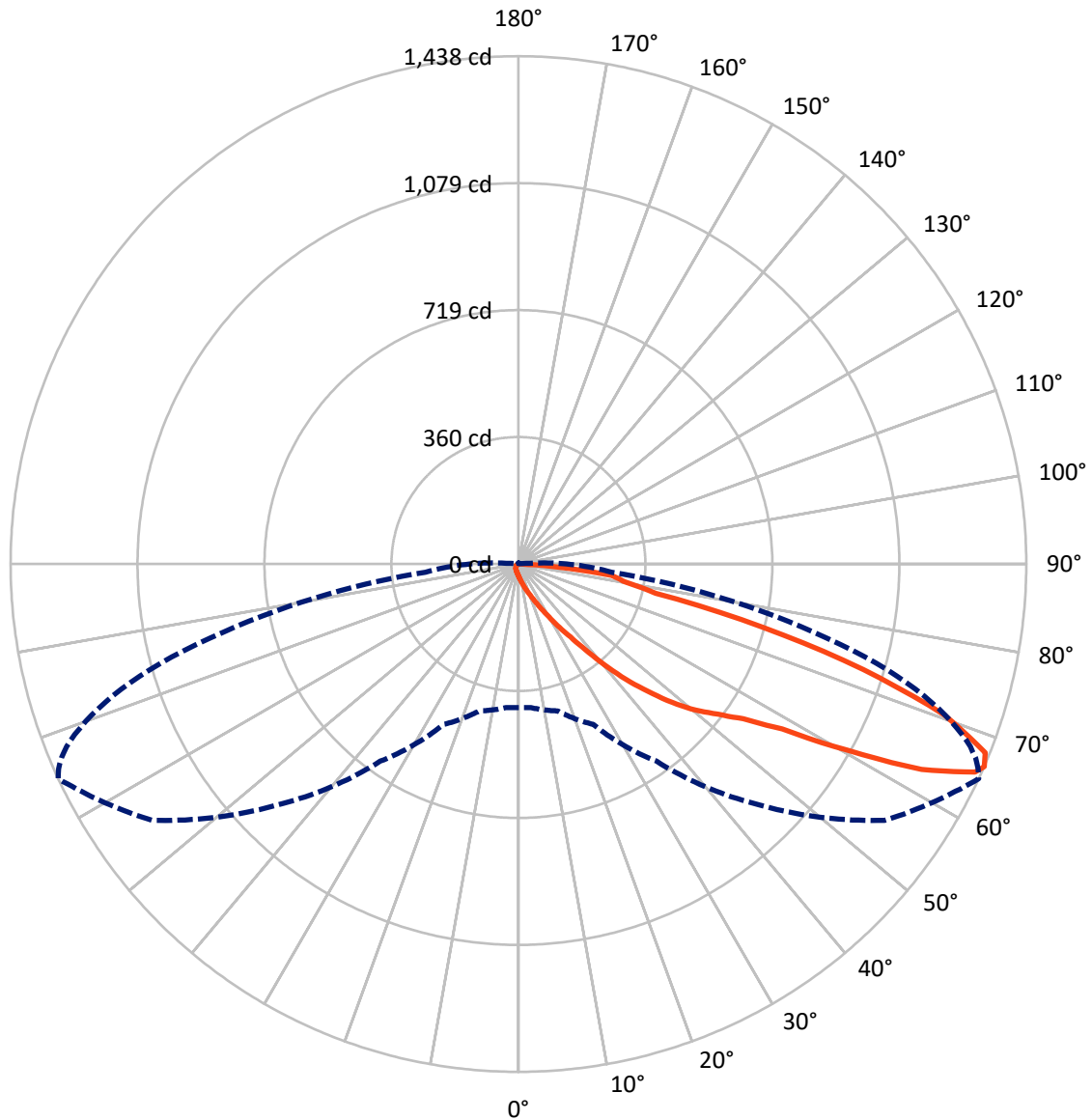
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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	24.4	0.0	24.4
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	1099.4	0.0	1099.4
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	1123.8	0.0	1123.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.3
10°-20°	16.1	1.4
20°-30°	34.7	3.1
30°-40°	74.2	6.6
40°-50°	164.0	14.6
50°-60°	277.9	24.7
60°-70°	370.9	33.0
70°-80°	163.4	14.5
80°-90°	18.8	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°	1123.8	100.0
0°-180°	1123.8	100.0



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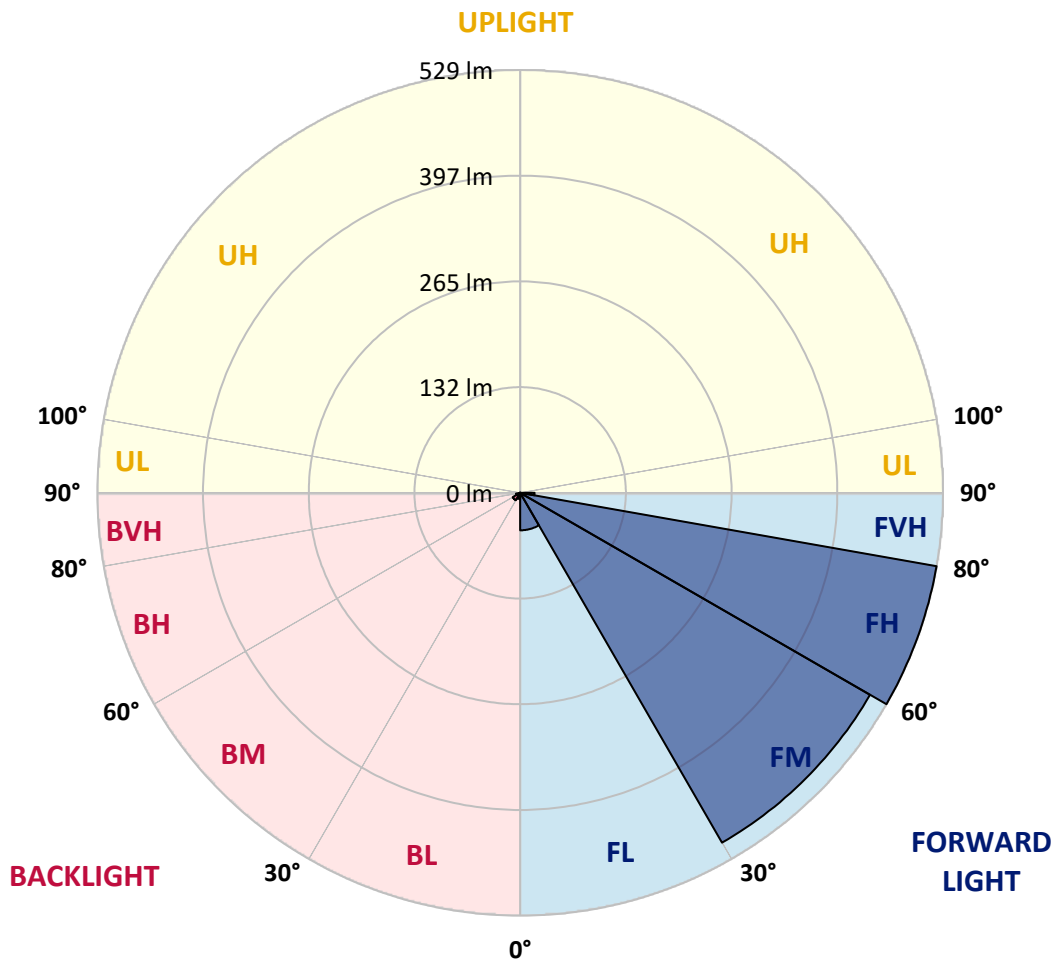
CATALOG NUMBER: ICM-F01-LED-E1-SL3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.9	4.2			
FM	(30°-60°)	505.4	45.0			
FH	(60°-80°)	529.0	47.1			G0/660
FVH	(80°-90°)	18.1	1.6			G1/100
BL	(0°-30°)	7.7	0.7	B0/110		
BM	(30°-60°)	10.7	1.0	B0/220		
BH	(60°-80°)	5.2	0.5	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
2.5°	42.8	42.6	41.7	41.7	40.4	39.5	38.4	37.4	37.4	37.1	36.9
5°	56.6	55.3	55.1	52.7	50.8	48.0	45.4	42.0	41.5	41.0	40.8
7.5°	71.9	71.7	69.8	67.0	63.1	57.9	52.7	47.1	46.2	45.8	44.9
10°	91.8	90.7	88.2	83.3	77.6	70.6	62.2	53.4	52.3	51.4	51.0
12.5°	110.8	108.9	107.3	101.3	94.0	83.8	73.7	60.9	60.1	59.0	57.2
15°	128.6	126.8	124.2	119.1	110.8	98.0	86.2	70.6	68.5	67.0	65.7
17.5°	142.3	141.3	138.2	132.5	123.5	112.4	98.0	80.6	78.9	76.9	74.5
20°	155.5	154.0	149.3	141.3	131.8	123.2	112.1	93.6	91.2	88.8	86.2
22.5°	168.1	166.6	158.8	145.6	135.4	131.8	127.9	108.3	104.6	102.6	100.0
25°	185.6	182.3	170.2	149.3	135.6	138.5	145.2	127.3	123.8	121.0	116.8
27.5°	209.1	204.8	185.8	154.7	136.6	145.9	165.0	150.3	146.7	143.4	138.9
30°	235.7	232.9	210.2	167.6	142.8	156.7	187.3	179.7	175.4	171.5	166.1
32.5°	262.5	258.6	236.1	192.3	159.6	177.6	215.2	213.9	208.3	204.6	198.8
35°	286.0	284.1	267.4	232.7	198.1	214.3	252.4	253.9	248.8	245.0	238.5
37.5°	302.0	302.0	298.8	276.1	259.3	271.4	307.0	307.3	302.2	293.4	290.1
40°	310.2	312.7	324.3	328.6	327.7	343.3	378.7	374.8	370.7	366.2	355.4
42.5°	327.1	329.2	354.0	383.9	403.4	423.9	448.3	447.0	442.0	433.8	423.9
45°	355.6	358.4	388.0	435.4	475.3	504.5	520.0	514.0	509.0	501.2	496.0
47.5°	391.9	397.3	430.8	489.3	537.5	585.7	601.9	585.9	581.6	575.5	567.1
50°	430.6	435.7	471.4	538.4	592.8	650.3	677.3	650.3	644.0	642.1	632.6
52.5°	464.1	468.4	502.7	576.2	635.2	702.6	741.9	706.2	701.7	695.3	688.3
55°	483.9	487.4	519.5	594.3	663.9	749.7	804.3	773.0	766.3	763.7	753.8
57.5°	490.6	494.0	523.1	596.7	679.4	792.7	880.2	881.2	873.2	863.9	860.9
60°	490.6	494.5	519.0	590.9	694.6	838.4	981.3	1071.4	1054.1	1052.4	1041.3
62.5°	470.3	474.0	498.6	572.9	714.9	900.3	1122.1	1281.1	1276.2	1264.9	1246.8
65°	426.2	428.4	452.7	527.2	707.1	957.0	1244.2	1420.7	1412.8	1390.7	1367.4
66°	406.4	408.1	430.8	501.0	681.6	964.8	1265.8	1438.2	1425.0	1406.4	1380.1
67.5°	377.7	380.7	396.7	452.4	620.5	937.9	1252.2	1425.9	1414.4	1392.0	1365.6
70°	252.1	250.0	306.3	347.2	472.7	764.2	1123.4	1280.3	1280.5	1269.9	1259.4
72.5°	119.7	121.0	137.4	213.7	309.4	510.5	894.2	1021.9	1036.6	1017.6	1004.4
75°	86.0	87.9	97.9	130.7	184.5	306.3	579.6	714.7	715.1	681.4	651.4
77.5°	25.0	26.1	36.7	80.6	138.2	206.8	332.9	397.3	388.0	363.8	341.1
80°	10.3	10.3	10.8	25.7	55.5	140.5	232.9	306.0	304.8	295.5	282.1
82.5°	3.9	4.1	5.2	10.6	13.2	34.6	155.3	265.5	264.8	251.7	242.1
85°	0.5	0.5	1.3	4.6	4.9	6.5	31.1	117.1	116.5	117.1	102.6
87.5°	0.0	0.0	0.2	0.5	0.7	0.8	1.3	4.6	4.9	4.7	4.3
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
2.5°	36.9	36.5	36.5	36.3	36.3	36.3	36.1	35.9	35.9	35.6	35.4
5°	40.4	40.0	39.7	39.3	39.1	38.9	38.4	38.2	37.8	37.6	37.4
7.5°	44.5	43.6	43.4	42.8	42.1	41.7	41.3	40.7	40.2	39.3	39.1
10°	49.7	48.7	47.7	46.9	46.2	45.1	44.5	43.6	42.8	42.1	41.5
12.5°	56.4	54.9	53.6	52.7	51.2	49.9	48.7	48.0	46.2	45.4	44.3
15°	63.7	62.0	60.5	58.8	57.7	55.5	53.8	51.8	51.0	49.5	47.7
17.5°	73.2	70.4	68.1	66.3	64.2	62.0	60.1	58.1	55.5	53.8	51.6
20°	83.3	81.0	77.8	74.8	72.2	69.6	66.8	64.2	61.8	59.0	56.4
22.5°	96.4	92.9	89.0	86.0	82.5	79.7	75.8	72.4	68.5	64.8	61.8
25°	112.7	108.3	104.6	100.3	96.1	91.8	87.1	82.7	77.8	74.3	69.1
27.5°	133.1	128.7	123.8	118.1	114.0	107.6	101.3	95.9	90.0	84.7	78.9
30°	159.0	152.7	147.5	142.1	134.0	127.7	120.4	113.0	105.0	99.6	90.7
32.5°	190.1	183.4	175.6	167.9	160.3	151.4	142.3	133.3	124.5	114.5	105.4
35°	228.2	220.2	211.3	202.9	191.2	181.7	170.2	157.7	147.8	136.3	124.8
37.5°	278.5	265.3	257.5	248.7	232.9	219.9	207.2	194.7	177.1	165.0	148.8
40°	341.6	333.8	321.0	306.8	292.6	275.4	258.1	241.6	221.2	204.4	185.6
42.5°	415.6	404.2	391.3	370.7	356.3	336.2	316.5	294.5	269.6	248.0	226.0
45°	485.2	471.6	461.7	441.1	426.0	402.2	378.5	355.2	326.4	298.6	273.1
47.5°	560.4	549.2	532.7	516.1	500.7	474.0	448.3	420.0	389.8	356.7	323.6
50°	626.5	617.7	606.4	586.3	569.3	546.8	516.6	485.7	447.4	414.6	377.0
52.5°	682.7	675.8	660.0	645.8	630.4	609.2	582.2	552.7	511.4	475.3	432.6
55°	749.0	744.1	730.2	721.4	707.7	687.4	662.1	634.7	591.1	551.8	503.4
57.5°	857.7	853.8	841.7	838.1	824.7	806.9	775.8	746.4	695.4	646.6	591.4
60°	1037.7	1029.9	1012.2	1003.1	974.8	951.0	910.6	870.2	808.7	746.4	679.9
62.5°	1230.3	1208.6	1174.8	1145.9	1105.7	1064.5	1010.4	948.7	876.5	802.6	726.1
65°	1334.2	1297.1	1254.5	1208.6	1156.5	1095.7	1027.7	953.6	876.1	798.1	717.3
66°	1346.1	1304.3	1259.1	1207.9	1150.0	1085.4	1016.3	938.5	857.9	781.9	701.0
67.5°	1331.3	1287.4	1239.6	1182.8	1120.2	1053.2	980.7	899.8	822.2	745.1	666.5
70°	1226.9	1183.3	1140.8	1080.8	1014.1	946.7	878.0	787.7	714.2	643.4	573.4
72.5°	979.7	950.1	908.0	856.8	791.8	712.7	655.4	574.7	511.0	442.2	388.0
75°	612.3	570.6	518.5	453.3	403.5	339.4	306.0	244.6	208.3	176.5	145.9
77.5°	313.0	281.7	245.2	208.5	173.3	138.2	107.0	75.6	51.0	35.4	26.3
80°	258.6	231.0	200.7	167.3	136.1	105.7	76.1	51.8	33.0	21.6	16.8
82.5°	213.7	190.3	163.3	132.2	105.2	83.0	57.7	37.6	23.3	15.2	11.9
85°	91.0	82.5	63.7	50.5	38.0	28.1	19.6	13.2	9.3	7.5	6.9
87.5°	3.9	4.3	4.1	3.3	2.4	2.4	2.1	1.8	1.8	1.8	1.8
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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**CANDELA DISTRIBUTION (continued):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
2.5°	35.4	35.3	35.0	35.0	34.8	34.6	33.3	32.2	30.9	30.0	29.2
5°	36.9	36.7	36.3	36.1	35.6	35.4	32.7	30.2	28.3	26.8	25.7
7.5°	38.4	38.2	37.6	36.9	36.7	36.3	31.7	28.7	26.1	24.4	23.3
10°	40.4	39.7	39.1	38.2	37.6	36.9	30.9	27.0	24.2	22.7	21.6
12.5°	43.2	42.1	41.0	40.0	39.1	38.0	30.4	25.5	22.7	20.9	19.9
15°	46.4	44.9	43.6	42.3	40.8	39.7	29.6	24.2	21.4	19.6	18.3
17.5°	49.5	47.7	45.8	43.8	42.3	40.8	28.7	22.9	20.1	18.3	17.0
20°	53.8	51.2	48.8	46.4	44.3	42.3	27.4	21.6	19.0	17.0	15.8
22.5°	58.5	55.5	52.5	49.3	46.4	43.8	26.3	20.6	18.0	16.0	14.5
25°	64.6	60.9	56.8	52.7	49.5	46.0	25.3	19.4	16.8	14.9	13.4
27.5°	73.0	67.8	63.3	58.1	53.1	49.3	24.4	18.6	15.8	13.9	12.3
30°	84.5	76.9	69.8	64.2	58.3	52.7	23.5	17.5	14.9	12.7	11.0
32.5°	97.2	88.4	80.2	71.7	64.4	57.9	22.7	16.7	13.9	11.6	10.1
35°	113.0	101.8	90.7	81.0	72.2	63.5	21.9	15.8	12.9	10.6	9.1
37.5°	135.6	121.7	107.2	94.6	83.2	71.7	21.2	14.9	11.9	9.5	8.0
40°	166.8	148.7	130.9	113.9	99.0	84.7	20.3	14.0	11.0	8.7	7.2
42.5°	200.5	178.4	155.2	135.9	115.3	97.4	19.4	13.2	10.1	7.8	6.2
45°	242.4	215.0	186.7	160.6	135.4	112.4	18.6	12.3	9.1	6.9	5.4
47.5°	288.2	253.2	221.2	188.4	158.6	130.9	17.5	11.6	8.2	6.0	4.7
50°	335.3	298.3	258.0	220.6	185.1	149.5	16.5	10.6	7.3	5.4	3.9
52.5°	386.0	342.4	301.1	254.7	213.5	174.0	15.3	9.8	6.7	4.7	3.3
55°	450.7	401.9	353.5	301.4	251.7	202.2	14.2	8.7	5.9	4.1	2.6
57.5°	531.9	474.0	414.6	355.8	295.5	239.4	13.4	7.5	4.9	3.4	2.1
60°	608.6	540.9	469.0	401.4	333.4	267.9	12.1	6.7	4.3	2.8	2.1
62.5°	648.4	571.3	493.7	419.2	346.5	278.0	10.8	5.6	3.6	2.4	2.0
65°	638.6	560.0	484.8	409.6	338.5	271.5	9.5	4.9	3.3	2.1	2.0
66°	624.6	546.8	471.2	399.7	331.8	264.7	8.8	4.7	3.1	2.1	1.8
67.5°	593.9	518.7	446.6	380.0	313.5	251.4	8.0	4.3	2.8	2.0	1.8
70°	507.3	439.0	381.3	322.1	267.9	211.9	6.5	3.6	2.4	1.8	1.8
72.5°	335.7	289.3	250.8	215.8	180.4	140.0	5.4	3.1	2.0	1.8	1.5
75°	126.6	114.5	98.3	88.4	77.1	67.6	4.3	2.0	1.5	1.5	1.5
77.5°	22.5	20.7	18.3	16.8	15.5	14.2	3.4	1.3	1.3	1.5	1.5
80°	15.2	14.0	12.7	11.6	10.8	9.8	2.4	1.1	1.3	1.3	1.5
82.5°	10.8	10.1	9.5	8.7	8.0	7.2	1.5	1.1	1.3	1.3	1.3
85°	6.5	6.0	5.6	5.2	4.6	4.3	1.1	1.1	1.1	1.3	1.3
87.5°	1.8	1.5	1.8	1.8	1.3	1.5	0.8	0.8	0.8	1.1	1.1
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):**

	145°	155°	165°	175°	180°
0°	34.0	34.0	34.0	34.0	34.0
2.5°	28.7	28.7	28.3	28.9	28.9
5°	24.8	24.8	24.7	24.8	24.8
7.5°	22.7	22.5	22.5	22.5	22.7
10°	20.7	20.6	20.6	20.6	20.6
12.5°	19.0	18.8	18.6	18.8	18.8
15°	17.5	17.0	17.0	17.0	17.0
17.5°	16.2	15.8	15.5	15.5	15.5
20°	14.9	14.2	14.2	14.2	14.2
22.5°	13.6	12.9	12.9	12.9	12.9
25°	12.3	11.6	11.6	11.6	11.6
27.5°	11.3	10.6	10.6	10.6	10.6
30°	10.0	9.5	9.5	9.8	9.5
32.5°	9.1	8.5	8.5	8.7	8.7
35°	8.0	7.5	7.5	7.5	7.5
37.5°	6.9	6.5	6.5	6.5	6.5
40°	6.0	5.6	5.4	5.6	5.6
42.5°	5.2	4.7	4.6	4.6	4.6
45°	4.6	3.9	3.6	3.9	3.9
47.5°	3.6	3.3	3.3	3.4	3.4
50°	2.8	2.8	3.1	3.4	3.4
52.5°	2.6	2.6	3.1	3.4	3.4
55°	2.4	2.6	3.1	3.3	3.4
57.5°	2.1	2.6	3.1	3.3	3.3
60°	2.1	2.4	2.8	3.3	3.3
62.5°	2.0	2.1	2.6	3.1	3.1
65°	2.0	2.1	2.6	3.1	3.1
66°	2.0	2.1	2.6	3.1	3.1
67.5°	2.0	2.1	2.6	3.1	3.1
70°	2.0	2.1	2.6	2.8	2.8
72.5°	1.8	2.0	2.4	2.8	2.8
75°	1.8	2.0	2.4	2.8	2.8
77.5°	1.8	2.0	2.4	2.8	2.8
80°	1.8	2.0	2.4	2.6	2.8
82.5°	1.5	2.0	2.1	2.6	2.6
85°	1.5	1.8	2.1	2.4	2.6
87.5°	1.3	1.5	1.8	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)