

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: P180862

Luminaire Tested: **ICM-F01-LED-E1-SL4-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180862  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
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-SL4-7030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2072 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Full 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

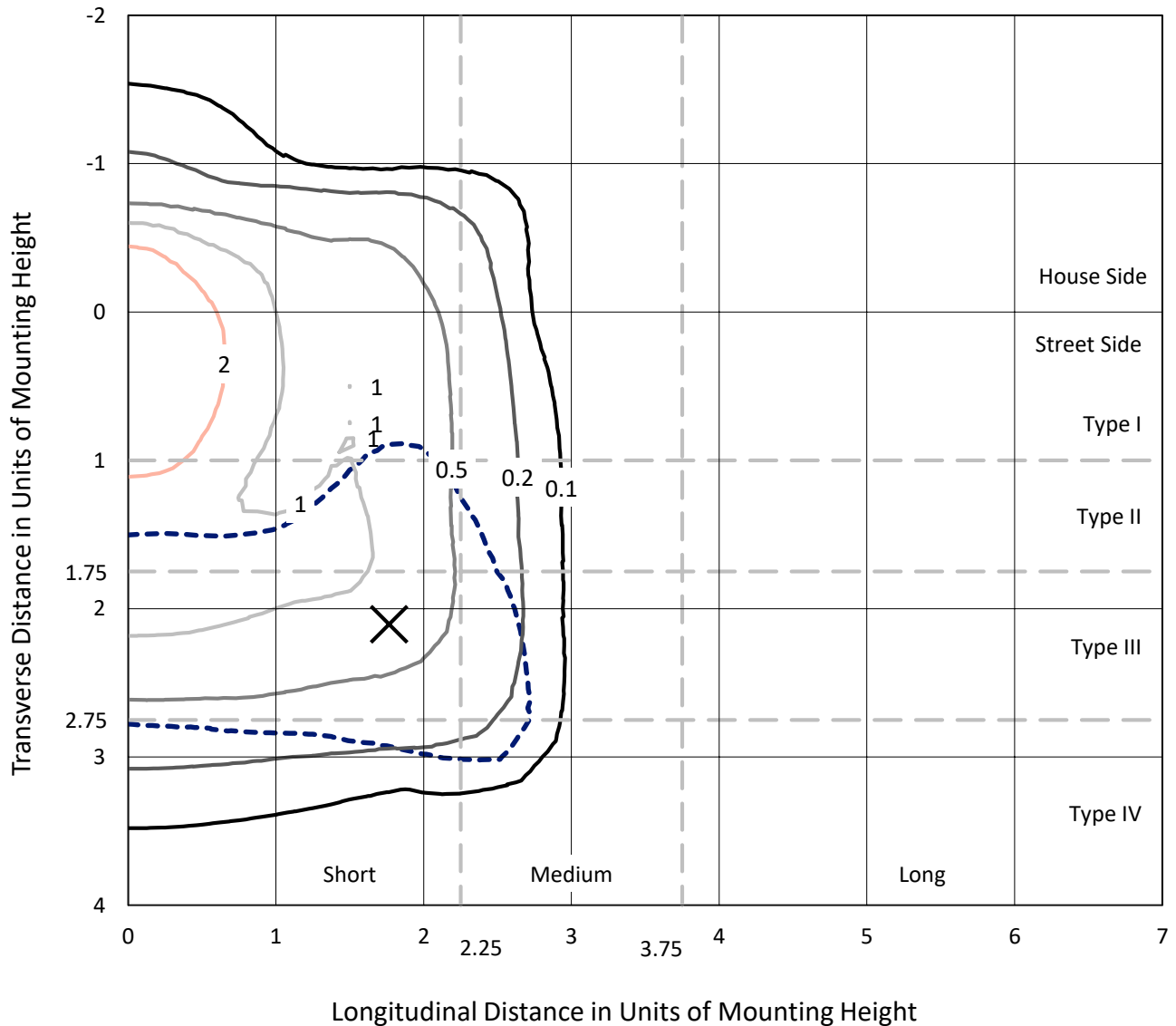


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### Iso-Footcandle Lines of Horizontal Illumination

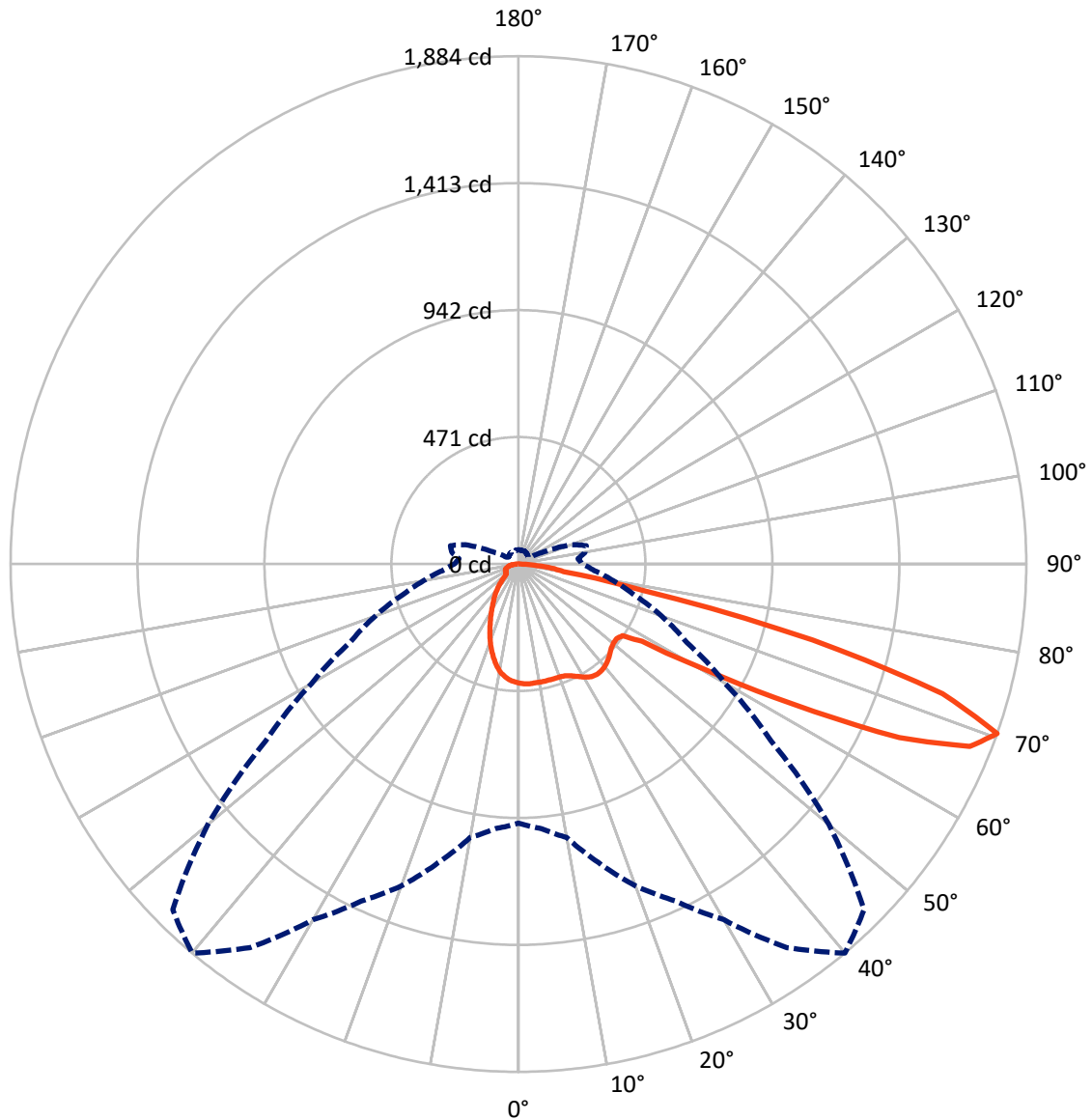
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	430.1	0.0	430.1
	% Fixture	20.8	0.0	20.8
<b>Street Side</b>	Lumens	1641.9	0.0	1641.9
	% Fixture	79.2	0.0	79.2
<b>Total</b>	Lumens	2072.0	0.0	2072.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.3	2.0
10°-20°	113.1	5.5
20°-30°	167.4	8.1
30°-40°	211.5	10.2
40°-50°	239.2	11.5
50°-60°	340.4	16.4
60°-70°	634.0	30.6
70°-80°	290.6	14.0
80°-90°	34.5	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°	2072.0	100.0
0°-180°	2072.0	100.0



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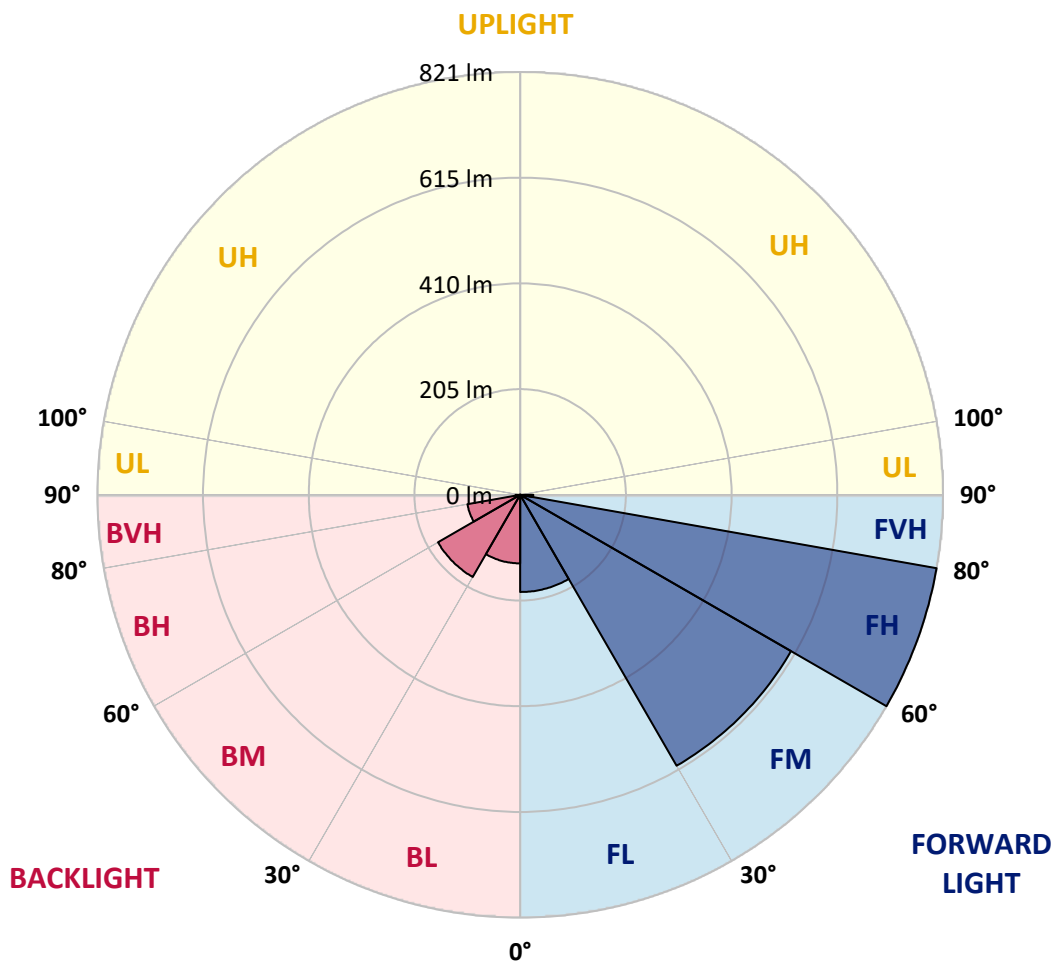
CATALOG NUMBER: ICM-F01-LED-E1-SL4-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.7	9.1			
FM (30°-60°)	607.0	29.3			
FH (60°-80°)	820.6	39.6			G1/1800
FVH (80°-90°)	25.6	1.2			G1/100
BL (0°-30°)	133.1	6.4	B1/500		
BM (30°-60°)	184.1	8.9	B0/220		
BH (60°-80°)	104.0	5.0	B0/110		G0/110
BVH (80°-90°)	8.9	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1
2.5°	448.9	450.0	448.7	448.5	448.5	448.2	446.8	446.5	444.7	444.9	445.4
5°	452.2	452.7	451.7	451.4	451.0	450.0	448.9	447.4	446.0	444.7	443.5
7.5°	455.4	455.0	454.2	454.2	453.6	452.2	449.9	448.0	444.9	443.3	441.2
10°	460.1	459.4	458.5	458.0	456.8	454.7	451.4	448.9	445.1	441.9	438.3
12.5°	464.6	464.3	462.9	462.2	460.4	458.2	454.2	450.3	445.4	440.3	435.5
15°	472.5	471.5	470.1	468.7	465.8	462.9	456.8	452.2	445.1	438.3	431.2
17.5°	486.3	484.7	483.3	480.2	476.5	471.5	462.7	454.7	445.1	435.4	427.2
20°	511.5	508.0	506.1	502.2	495.6	486.8	472.9	460.1	445.9	433.2	422.2
22.5°	540.1	537.8	535.2	532.6	522.3	509.5	490.7	471.5	450.0	432.3	418.2
25°	572.1	569.0	567.6	563.3	553.7	538.9	513.4	486.8	459.6	436.0	418.2
27.5°	600.7	599.7	599.4	594.3	585.2	567.9	537.8	505.7	472.7	443.7	421.8
30°	626.6	625.7	625.2	622.3	611.8	591.3	558.5	522.5	487.0	454.5	428.3
32.5°	654.1	651.2	649.7	644.4	632.5	608.4	571.0	533.5	498.2	465.0	435.5
35°	676.7	674.1	671.3	663.5	646.7	618.1	576.3	537.3	502.7	470.9	439.4
37.5°	692.9	690.4	686.4	676.7	655.8	621.4	576.1	536.1	501.0	470.0	440.0
40°	700.2	697.7	693.4	681.0	657.4	619.5	571.6	530.7	496.1	465.0	437.2
42.5°	697.4	695.5	690.1	678.2	652.3	611.2	562.8	520.7	486.8	457.1	430.9
45°	686.7	685.3	680.1	667.5	640.6	597.6	549.7	508.0	475.5	447.3	422.5
47.5°	670.5	670.1	664.9	652.6	625.9	584.0	536.1	495.6	464.3	437.7	415.4
50°	652.7	650.4	647.8	636.4	612.1	572.4	526.2	487.9	458.0	434.1	412.4
52.5°	641.6	640.8	638.5	628.2	604.8	565.6	521.9	485.1	457.6	433.5	410.8
55°	741.1	742.8	721.3	676.7	637.3	584.3	535.2	499.4	469.0	444.7	428.1
57.5°	1096.3	1089.0	1052.1	963.4	863.4	731.4	636.2	578.4	540.7	545.0	553.4
60°	1277.2	1275.8	1269.0	1234.7	1168.1	1067.5	956.0	828.1	787.4	791.9	795.2
62.5°	1358.1	1360.2	1365.4	1352.6	1335.0	1305.8	1250.1	1198.7	1144.2	1123.8	1069.4
65°	1395.5	1399.3	1411.0	1418.2	1425.0	1430.1	1452.1	1512.5	1552.2	1477.9	1304.8
67.5°	1318.1	1336.2	1374.7	1412.4	1446.1	1494.0	1568.3	1708.4	1805.9	1714.4	1463.5
70°	960.9	985.5	1029.7	1146.1	1270.4	1379.2	1523.2	1736.4	1883.5	1812.8	1502.9
72.5°	602.5	609.3	628.9	671.7	764.1	903.6	1155.4	1475.3	1645.0	1588.7	1270.2
75°	382.2	384.6	383.9	393.7	409.4	439.8	539.4	871.4	1126.9	1039.0	707.9
77.5°	227.7	231.3	232.7	235.6	243.2	253.9	262.0	296.5	472.5	458.7	256.9
80°	190.8	193.6	191.3	190.5	185.9	182.6	186.6	182.6	169.5	163.2	150.3
82.5°	101.0	100.7	100.1	106.9	120.7	131.3	139.5	137.7	124.7	106.1	90.0
85°	55.4	57.3	57.3	59.6	57.5	57.8	59.6	62.9	58.2	48.7	39.7
87.5°	4.7	7.3	5.9	7.3	9.9	7.0	6.8	6.8	5.9	4.2	3.7
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1
2.5°	444.2	443.7	442.8	442.1	442.1	440.9	440.3	439.8	439.5	438.6	438.6
5°	442.8	441.2	439.5	438.3	437.7	436.5	434.6	433.7	432.6	431.6	431.2
7.5°	439.8	436.7	434.1	432.3	430.0	428.1	425.8	423.6	421.6	420.6	420.1
10°	435.1	431.2	427.2	423.6	420.4	417.1	414.0	411.0	408.5	406.6	404.7
12.5°	430.7	424.6	419.4	414.3	409.1	405.2	400.9	396.6	392.7	389.3	388.4
15°	424.6	417.6	411.0	404.7	398.4	391.8	386.7	381.8	375.7	371.7	368.7
17.5°	419.0	410.5	402.6	395.1	387.4	380.7	372.9	366.3	360.3	354.2	349.8
20°	412.9	403.7	395.4	387.0	378.5	369.9	361.0	352.6	345.1	337.9	330.6
22.5°	407.5	398.1	390.0	380.8	371.5	361.7	351.4	340.8	332.2	322.9	314.4
25°	404.3	394.0	385.5	376.7	366.3	355.6	343.9	331.5	321.0	310.2	300.2
27.5°	404.3	390.9	382.2	373.4	362.9	351.4	338.5	325.0	313.0	301.1	288.7
30°	407.7	391.4	379.7	370.3	359.5	347.2	332.9	318.7	305.6	291.5	279.6
32.5°	411.0	392.3	377.9	365.9	353.5	341.3	326.9	311.6	297.1	283.8	271.2
35°	413.1	392.3	374.3	359.1	345.1	333.1	318.9	303.7	288.9	275.9	264.2
37.5°	413.4	390.4	368.7	351.4	336.7	324.3	310.7	296.5	282.4	270.2	260.5
40°	411.0	386.7	363.1	343.3	327.8	315.2	302.8	290.0	277.3	267.3	258.8
42.5°	406.8	382.7	357.7	336.7	320.6	307.4	296.0	285.0	274.0	265.4	258.3
45°	400.5	377.3	352.8	332.7	316.8	303.0	291.8	282.7	273.3	266.0	259.1
47.5°	394.9	375.4	354.4	335.3	318.7	304.4	292.9	285.2	278.0	273.1	263.5
50°	393.7	374.5	355.2	337.4	320.6	306.0	296.0	292.0	290.0	286.9	272.1
52.5°	390.4	374.3	360.3	350.4	339.7	332.9	322.4	326.1	323.8	313.0	286.4
55°	424.8	429.5	442.6	461.3	478.6	482.5	481.4	476.9	453.3	390.0	320.7
57.5°	584.0	610.4	635.3	646.2	644.8	632.5	623.5	605.5	571.4	494.2	388.6
60°	805.2	809.4	796.3	776.9	744.2	716.8	687.6	654.0	604.4	528.8	430.1
62.5°	1008.8	952.3	894.1	839.4	789.5	746.1	705.4	658.3	593.9	515.1	424.8
65°	1152.7	1032.9	941.0	862.5	792.1	731.4	680.6	619.5	546.9	475.8	393.7
67.5°	1226.7	1043.2	902.2	792.8	692.9	608.8	541.2	481.9	427.8	396.7	344.7
70°	1144.0	885.4	689.0	565.3	445.9	357.5	282.4	237.0	221.4	250.9	260.9
72.5°	852.5	576.3	409.9	317.0	242.9	193.6	148.5	116.7	94.9	99.6	129.3
75°	403.1	248.7	175.8	133.8	106.4	88.2	72.0	66.0	55.2	45.9	43.0
77.5°	156.8	114.3	94.4	69.2	49.1	39.5	33.7	32.5	33.2	32.3	31.8
80°	119.4	80.9	50.7	37.2	32.0	28.3	25.0	24.1	24.6	25.7	26.9
82.5°	66.6	41.6	30.9	26.9	24.1	20.6	18.7	17.3	17.5	19.0	21.5
85°	25.7	20.1	18.5	17.8	16.6	13.3	11.4	11.7	13.3	15.9	15.9
87.5°	2.8	2.8	3.7	2.8	2.8	2.8	2.6	3.1	3.3	4.2	4.9
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°	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1	442.1
2.5°	438.1	438.1	438.1	437.7	437.9	436.9	436.9	436.3	437.4	436.7	436.5
5°	431.4	431.2	430.1	430.1	430.1	430.1	430.9	429.0	430.4	430.4	429.7
7.5°	419.9	419.9	417.3	418.7	418.2	419.0	419.9	419.0	420.4	421.3	420.6
10°	404.0	404.0	401.9	403.5	402.8	404.5	406.1	405.2	406.1	407.5	408.0
12.5°	386.5	385.5	383.6	384.4	384.4	385.3	386.0	387.2	388.4	390.2	391.2
15°	366.1	364.7	362.4	362.4	361.0	361.5	362.9	363.4	365.7	368.2	371.3
17.5°	345.3	341.8	339.3	336.2	333.9	335.7	337.4	338.5	340.4	344.4	346.5
20°	325.7	318.7	313.8	309.8	307.2	308.4	310.5	311.9	313.5	314.4	315.2
22.5°	306.2	298.3	291.5	286.6	282.4	283.6	282.7	282.0	283.2	280.1	279.8
25°	289.4	280.1	271.0	265.1	260.0	258.3	253.4	252.3	249.0	246.4	244.6
27.5°	277.3	265.1	255.1	248.3	240.1	234.0	227.7	221.4	217.9	213.7	211.6
30°	267.7	254.9	242.9	231.4	220.7	211.4	203.0	194.8	189.1	183.1	179.1
32.5°	258.8	246.9	232.4	216.7	202.2	191.7	180.7	171.3	162.5	154.5	148.7
35°	252.7	239.4	220.9	201.8	185.4	173.0	161.3	148.0	137.2	127.0	120.7
37.5°	249.5	233.1	210.4	189.1	170.9	156.8	142.4	127.0	113.9	104.3	94.7
40°	246.9	226.8	201.0	178.0	158.8	142.0	125.1	106.9	92.4	82.3	74.8
42.5°	244.1	219.8	192.8	169.0	147.7	128.1	107.8	88.4	74.6	67.5	64.3
45°	241.0	213.7	185.2	160.7	137.0	113.1	89.8	71.8	63.6	61.2	61.2
47.5°	240.4	209.7	179.5	152.5	124.8	95.8	73.2	62.0	59.6	60.1	61.0
50°	243.2	208.6	174.6	142.9	108.7	77.6	62.0	58.2	58.7	60.1	61.5
52.5°	250.0	209.5	169.5	129.5	89.6	64.1	57.3	57.0	58.4	60.6	62.0
55°	261.4	209.5	159.7	109.7	71.5	57.5	55.6	56.6	58.4	60.3	61.5
57.5°	286.0	207.4	142.4	87.6	59.8	55.2	55.2	56.4	58.0	59.8	60.7
60°	315.2	204.6	118.0	67.8	54.0	53.3	55.0	56.4	57.8	59.3	60.3
62.5°	317.0	197.3	93.5	56.1	51.0	52.1	54.7	56.6	57.0	58.2	59.3
65°	291.4	172.1	74.3	50.2	49.6	51.4	54.0	55.4	55.6	56.1	57.3
67.5°	255.1	140.3	60.1	47.4	48.2	50.2	51.6	52.8	53.6	54.7	55.0
70°	209.5	112.7	51.4	44.7	45.4	47.7	48.8	50.0	51.4	52.8	52.1
72.5°	148.5	87.6	45.1	41.6	42.5	44.7	46.0	47.0	48.2	49.6	48.7
75°	63.2	61.2	39.1	37.7	39.1	40.5	41.9	43.3	44.5	45.1	45.1
77.5°	32.3	36.0	33.7	33.7	34.6	36.0	37.2	38.6	39.3	40.0	40.9
80°	27.3	27.8	28.3	29.2	30.1	31.5	32.7	33.9	34.1	34.3	34.8
82.5°	22.7	23.6	24.1	25.5	26.1	26.7	27.3	27.3	27.8	27.8	27.2
85°	16.4	17.5	18.2	18.5	18.2	18.5	18.7	19.2	20.4	20.4	19.4
87.5°	4.7	4.5	5.6	5.9	6.3	7.3	8.2	9.9	10.3	10.8	10.8
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):**

	165°	170°	175°	180°
0°	442.1	442.1	442.1	442.1
2.5°	436.3	436.7	435.8	436.0
5°	429.7	430.7	429.5	430.9
7.5°	421.3	422.7	422.5	422.2
10°	409.1	411.0	411.0	411.7
12.5°	393.7	394.9	395.8	396.3
15°	372.9	375.0	376.2	376.2
17.5°	347.9	349.3	350.0	349.0
20°	316.1	315.6	315.8	313.5
22.5°	279.4	280.1	278.0	278.4
25°	243.4	242.2	243.2	241.8
27.5°	208.6	208.7	206.2	207.4
30°	175.3	174.1	170.9	172.6
32.5°	143.3	140.3	136.7	134.7
35°	113.1	108.5	106.9	106.1
37.5°	88.8	83.7	82.0	80.2
40°	70.6	68.7	68.0	68.5
42.5°	63.3	63.3	63.8	64.1
45°	61.5	62.2	62.9	63.2
47.5°	61.8	62.4	63.3	63.6
50°	62.2	62.9	63.6	63.8
52.5°	62.4	62.4	62.9	63.2
55°	62.0	61.8	62.0	62.2
57.5°	61.0	60.6	60.7	61.5
60°	60.6	59.8	60.3	60.7
62.5°	59.3	59.2	59.6	59.8
65°	56.8	57.0	57.8	57.8
67.5°	54.5	54.7	55.0	55.2
70°	51.6	51.9	52.4	52.6
72.5°	48.4	49.3	50.0	51.0
75°	45.9	46.8	48.2	49.1
77.5°	41.4	42.0	43.7	44.9
80°	35.1	34.8	35.1	35.8
82.5°	26.9	26.9	26.7	26.4
85°	19.0	18.7	18.0	18.0
87.5°	10.3	10.0	9.9	9.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)