

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: P180762

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180762
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
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-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1427.2 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

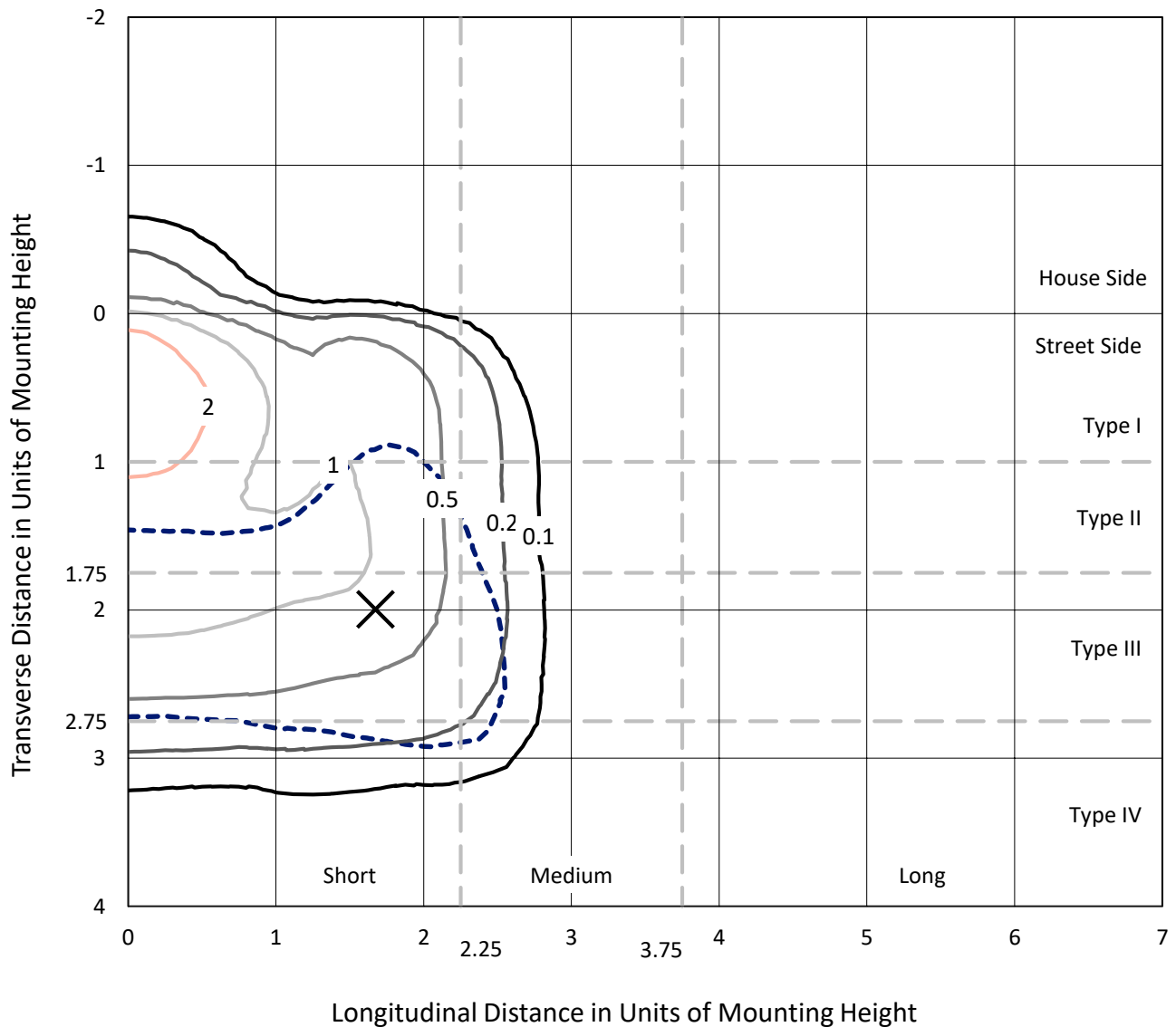
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

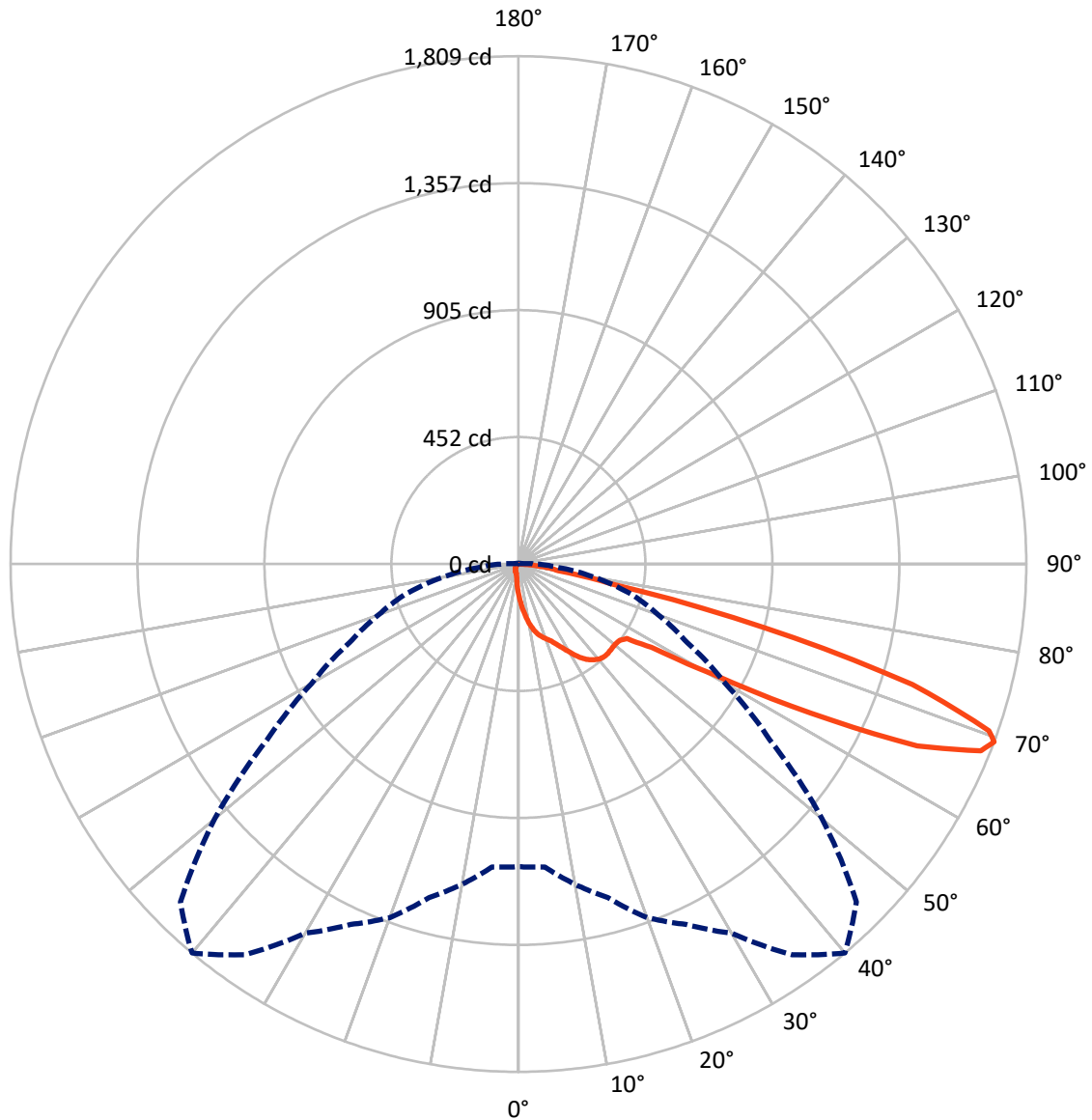
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.5	0.0	42.5
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	1384.7	0.0	1384.7
	% Fixture	97.0	0.0	97.0
Total	Lumens	1427.2	0.0	1427.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.8
10°-20°	38.2	2.7
20°-30°	73.1	5.1
30°-40°	121.6	8.5
40°-50°	164.5	11.5
50°-60°	257.3	18.0
60°-70°	528.9	37.1
70°-80°	212.8	14.9
80°-90°	19.7	1.4
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°	1427.2	100.0
0°-180°	1427.2	100.0



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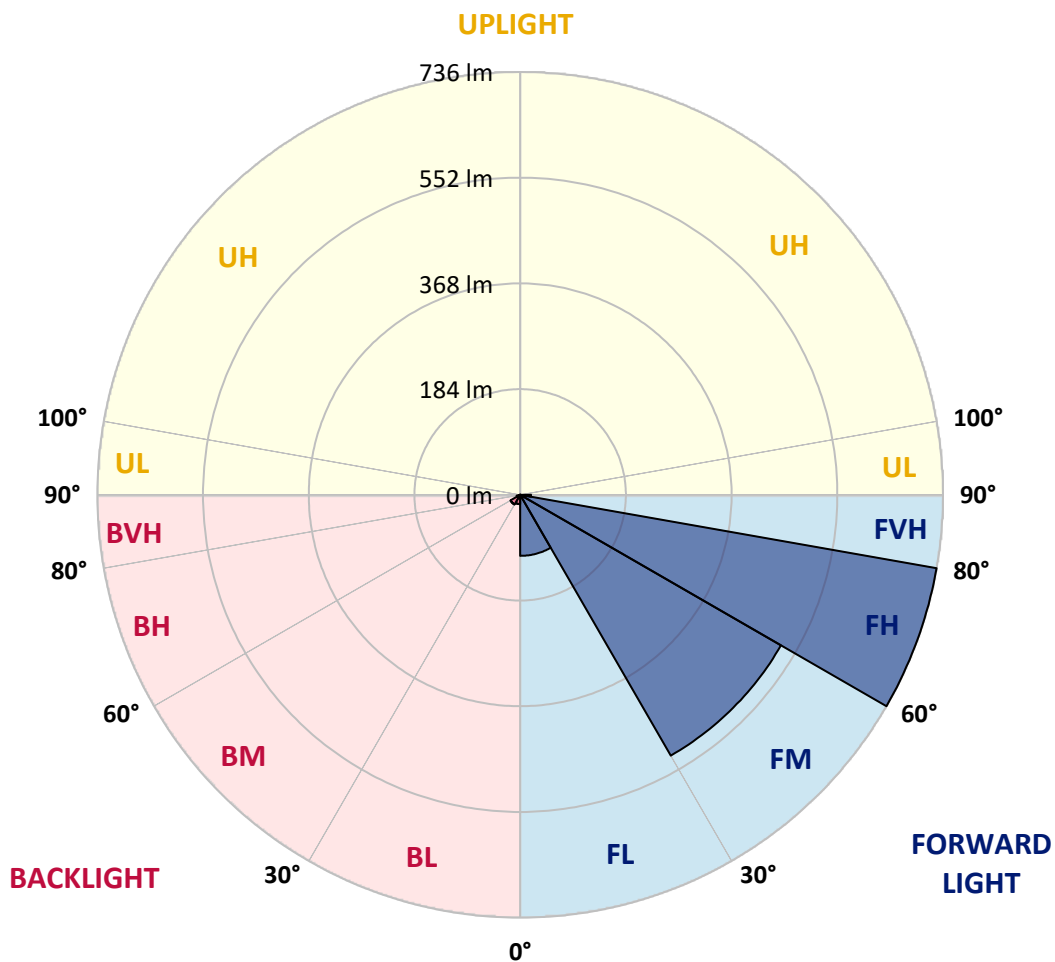
CATALOG NUMBER: ICM-F01-LED-E1-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.2	7.4			
FM	(30°-60°)	523.9	36.7			
FH	(60°-80°)	735.6	51.5			G1/1800
FVH	(80°-90°)	19.0	1.3			G1/100
BL	(0°-30°)	16.2	1.1	B0/110		
BM	(30°-60°)	19.4	1.4	B0/220		
BH	(60°-80°)	6.2	0.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	143.8	142.1	140.3	140.3	138.0	138.0	136.6	132.8	132.4	130.2	128.1
5°	183.5	182.1	179.8	177.7	175.8	172.6	170.2	165.8	160.8	156.2	152.0
7.5°	222.3	221.7	217.4	216.7	213.7	208.3	203.6	197.1	188.7	182.1	174.4
10°	258.3	256.7	255.8	251.8	247.4	241.5	234.2	226.3	216.5	206.2	195.3
12.5°	286.9	286.0	281.8	280.1	275.4	269.6	260.5	250.1	240.4	227.0	214.1
15°	308.2	306.5	303.7	301.1	295.5	290.4	282.0	270.7	258.8	244.3	228.9
17.5°	326.0	322.9	322.1	318.2	312.4	306.2	296.9	286.6	272.7	258.1	241.3
20°	349.8	345.6	344.2	338.3	331.5	323.1	312.4	299.5	284.7	268.8	251.5
22.5°	377.9	374.8	371.7	366.6	358.0	346.0	330.3	316.4	297.6	280.1	261.4
25°	417.6	415.0	410.0	403.1	392.3	378.0	359.1	338.5	316.6	294.1	272.1
27.5°	456.1	453.8	450.3	444.9	432.7	417.1	393.7	367.5	339.7	312.6	288.3
30°	492.4	490.2	486.8	481.4	470.6	455.2	428.7	400.7	366.1	334.6	305.3
32.5°	531.4	530.7	526.7	519.1	509.7	488.8	460.1	430.0	394.9	358.4	324.3
35°	575.6	570.2	566.5	558.8	542.9	520.7	487.0	454.0	417.1	379.7	341.6
37.5°	613.0	607.9	603.2	593.4	574.0	545.7	507.5	471.4	433.2	395.1	356.3
40°	640.4	637.8	632.2	619.4	597.6	563.9	522.8	483.3	444.9	406.6	368.2
42.5°	660.7	656.7	650.4	637.1	611.4	573.0	528.8	488.2	450.3	413.6	375.9
45°	668.2	664.9	659.1	644.6	616.7	575.6	528.7	486.8	450.5	415.7	381.1
47.5°	663.7	660.5	655.4	641.8	614.4	572.6	524.4	482.8	448.2	416.4	385.8
50°	649.0	647.2	643.2	631.7	607.2	566.7	520.7	480.7	447.7	419.9	392.3
52.5°	647.6	646.4	641.6	630.1	605.0	564.8	520.2	481.9	451.7	424.4	397.0
55°	791.4	774.8	737.6	706.1	654.1	592.5	543.8	500.8	468.6	441.9	422.7
57.5°	1124.8	1100.0	1051.2	991.1	871.8	754.7	660.9	593.1	559.7	547.5	554.8
60°	1280.9	1276.6	1268.8	1240.3	1179.3	1078.5	966.3	844.9	796.3	792.1	806.8
62.5°	1355.1	1352.3	1354.6	1351.1	1332.2	1302.7	1270.4	1218.1	1170.0	1138.8	1072.9
65°	1389.2	1391.1	1404.4	1415.0	1417.3	1425.0	1448.6	1513.9	1561.5	1481.3	1298.2
67.5°	1302.5	1313.5	1344.1	1382.4	1427.4	1470.8	1540.9	1678.4	1776.4	1682.1	1422.1
69°	1078.2	1083.6	1158.4	1230.7	1340.4	1417.0	1518.7	1699.0	1809.1	1702.7	1412.4
70°	848.9	853.9	934.1	1032.2	1217.6	1316.3	1449.3	1664.2	1778.5	1675.4	1361.9
72.5°	383.0	375.9	404.3	456.8	658.3	815.0	1047.6	1348.3	1467.4	1342.2	1018.9
75°	267.4	264.5	267.4	267.7	299.1	385.8	486.8	730.9	903.8	779.9	486.8
77.5°	207.2	205.0	203.0	200.6	204.4	228.9	238.7	259.3	336.7	318.4	185.7
80°	163.9	162.0	167.2	165.5	165.5	168.4	166.4	158.8	144.3	133.8	119.7
82.5°	76.2	76.7	76.7	83.3	100.3	117.1	122.5	114.8	102.0	86.7	69.9
85°	7.3	8.2	13.8	21.3	42.3	47.7	47.9	39.7	39.7	31.3	25.2
87.5°	0.0	0.3	0.3	0.3	2.1	5.9	4.9	1.4	0.7	0.7	1.2
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°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	124.4	123.7	120.8	118.0	115.5	112.7	110.1	107.5	104.7	102.6	100.1
5°	145.4	140.3	134.4	128.8	123.3	117.4	111.3	106.0	100.3	95.2	90.2
7.5°	166.7	156.7	148.7	138.6	129.5	120.4	112.0	103.3	95.3	87.9	80.9
10°	184.7	172.6	160.2	147.3	134.2	122.0	110.3	100.1	89.6	80.5	71.8
12.5°	199.4	184.0	168.8	152.7	138.0	122.5	108.0	95.6	83.3	72.9	64.1
15°	212.7	195.0	176.7	158.0	139.3	121.8	105.7	90.2	77.6	66.0	55.9
17.5°	223.5	203.2	182.6	161.6	141.5	120.8	102.6	86.5	71.8	59.6	49.8
20°	232.8	211.6	189.4	165.8	142.9	120.7	100.1	81.9	66.6	53.8	44.2
22.5°	241.5	220.3	196.4	171.2	144.9	120.4	97.8	78.3	62.2	49.3	39.7
25°	251.4	228.9	203.9	176.7	148.7	121.3	96.3	75.5	58.2	45.1	36.3
27.5°	262.3	238.7	212.7	183.7	153.6	123.3	95.8	72.5	54.7	41.1	33.4
30°	277.8	250.4	221.7	190.8	158.0	125.3	95.3	70.6	51.2	38.1	30.6
32.5°	291.4	261.9	231.4	198.0	163.0	127.4	95.2	68.0	47.9	35.1	28.6
35°	305.6	272.4	239.9	205.0	167.2	129.8	94.9	66.1	44.9	32.0	26.4
37.5°	318.0	281.3	246.4	211.2	171.8	131.9	95.2	64.6	42.0	29.5	24.6
40°	328.5	290.4	253.7	216.7	176.7	135.2	95.3	62.9	39.3	27.2	22.9
42.5°	337.9	299.1	261.4	223.1	182.3	138.9	96.8	61.5	36.9	25.0	21.3
45°	345.1	307.0	269.8	231.9	191.4	144.9	99.3	60.6	34.6	23.2	19.9
47.5°	352.6	318.7	284.1	246.0	204.8	154.5	103.8	60.3	32.7	21.8	18.7
50°	362.9	330.3	296.7	260.2	216.9	164.4	109.2	60.6	30.4	20.4	17.5
52.5°	370.3	342.2	313.0	285.0	246.0	194.3	130.0	64.7	29.2	19.2	16.1
55°	414.5	409.6	410.3	415.0	384.8	330.6	217.4	93.5	34.3	21.8	15.9
57.5°	584.5	601.8	611.8	611.6	561.8	466.0	292.0	120.2	38.3	25.2	19.0
60°	808.0	794.9	776.5	730.9	664.7	531.9	326.6	129.3	33.2	20.1	17.3
62.5°	1005.6	928.8	860.8	787.0	700.2	554.8	333.6	128.6	29.0	15.2	12.2
65°	1128.8	990.8	880.9	788.4	686.2	535.6	315.6	118.0	24.6	12.4	10.0
67.5°	1158.2	957.4	802.0	683.8	573.3	416.8	231.7	88.8	19.2	10.3	8.9
69°	1094.0	851.0	664.5	530.5	417.1	276.6	143.3	56.1	14.7	9.4	8.2
70°	1006.2	740.2	541.2	425.8	308.8	194.3	100.3	39.5	11.9	8.7	7.4
72.5°	647.4	388.8	266.0	185.2	127.4	77.4	39.3	17.8	9.1	7.3	6.0
75°	251.1	143.8	104.3	79.3	62.0	43.0	23.8	11.4	7.7	6.0	4.7
77.5°	123.7	94.7	77.4	53.1	30.9	19.2	12.8	8.9	6.3	4.5	3.1
80°	97.8	65.0	38.8	24.1	18.2	13.8	9.9	7.3	4.7	2.8	2.1
82.5°	50.0	27.3	20.1	16.4	13.6	10.8	7.9	5.1	3.1	1.9	1.7
85°	15.6	11.4	10.3	10.0	9.4	7.7	5.6	3.3	1.9	1.2	1.2
87.5°	1.2	1.7	2.1	1.7	1.9	1.7	2.1	1.4	0.9	0.9	0.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	98.2	95.3	92.8	91.2	88.2	87.0	85.8	85.3	83.3	83.7	81.9
5°	85.8	80.9	77.1	73.4	69.9	67.3	65.2	62.7	60.6	59.6	57.8
7.5°	74.6	68.3	63.3	59.3	55.2	51.9	49.1	47.3	45.4	43.4	42.5
10°	64.7	58.0	52.4	48.4	44.5	41.6	39.5	38.1	36.9	36.3	36.0
12.5°	55.6	49.1	44.0	40.5	37.4	36.0	35.1	34.3	34.1	33.9	33.9
15°	48.7	42.0	38.1	35.5	34.1	33.4	33.2	32.7	32.3	32.0	32.0
17.5°	42.0	37.2	34.3	32.9	32.3	31.8	31.3	30.9	30.4	30.1	30.1
20°	37.7	33.7	32.3	31.3	30.6	30.1	29.5	29.0	28.7	28.6	28.3
22.5°	34.1	31.5	30.6	30.0	29.0	28.3	27.8	27.3	26.9	26.7	26.4
25°	31.5	30.0	29.2	28.3	27.3	26.7	26.0	25.2	24.7	24.6	24.1
27.5°	29.7	28.6	27.6	26.4	25.5	24.7	24.1	23.3	22.9	22.4	22.2
30°	28.1	26.9	25.7	24.7	23.6	22.9	22.0	21.3	21.0	20.6	20.1
32.5°	26.4	25.2	24.1	22.9	21.8	20.8	20.4	19.4	19.0	18.7	18.2
35°	24.6	23.3	22.0	21.0	19.9	19.0	18.2	17.5	17.0	16.6	16.4
37.5°	22.9	21.5	20.1	19.0	18.0	17.0	16.4	15.6	15.2	14.7	14.5
40°	21.0	19.6	18.2	17.0	16.1	15.4	14.7	14.0	13.6	13.3	13.3
42.5°	19.4	17.8	16.4	15.4	14.7	13.8	13.1	12.4	12.2	11.9	12.2
45°	17.8	16.1	15.0	14.0	13.3	12.4	11.7	11.3	11.0	11.3	11.4
47.5°	16.4	14.7	13.6	12.8	12.2	11.4	10.8	10.3	10.3	10.8	11.3
50°	15.0	13.3	12.4	11.9	11.3	10.5	9.6	9.4	9.6	10.0	10.5
52.5°	13.6	11.7	11.0	10.8	10.0	9.4	8.7	8.4	8.7	9.1	8.9
55°	12.2	10.3	10.0	9.9	9.1	8.2	7.4	7.4	7.4	7.3	6.8
57.5°	11.7	9.1	8.9	8.7	7.9	7.0	6.5	6.0	5.9	5.1	4.9
60°	12.2	8.2	8.2	7.7	7.0	6.0	5.4	4.7	4.2	3.7	3.7
62.5°	9.9	7.4	7.3	6.8	5.9	4.9	4.2	3.5	3.3	3.1	3.1
65°	7.9	6.8	6.3	5.6	4.9	4.0	3.3	2.8	2.6	2.6	2.8
67.5°	7.3	6.0	5.4	4.7	4.0	3.1	2.6	2.3	2.3	2.6	2.6
69°	6.8	5.6	4.9	4.2	3.5	2.8	2.3	2.3	2.3	2.3	2.6
70°	6.3	5.4	4.7	4.0	3.1	2.3	2.1	2.1	2.3	2.3	2.6
72.5°	4.9	4.2	4.0	3.3	2.3	2.1	1.9	2.1	2.1	2.3	2.3
75°	3.7	3.1	3.1	2.6	1.9	1.7	1.7	1.9	1.9	2.1	2.1
77.5°	2.6	2.1	2.1	1.9	1.7	1.4	1.4	1.7	1.9	1.9	2.1
80°	1.9	1.7	1.4	1.7	1.4	1.2	1.4	1.7	1.7	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.2	1.2	1.4	1.4	1.7	1.9	1.9
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.7	1.7
87.5°	0.7	0.7	0.7	0.9	0.9	1.2	1.2	1.2	1.2	1.4	1.4
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):

	165°	170°	175°	180°
0°	107.8	107.8	107.8	107.8
2.5°	81.4	81.1	80.2	80.5
5°	57.0	55.6	56.6	56.4
7.5°	41.9	41.6	41.4	41.9
10°	35.8	35.8	35.5	35.8
12.5°	33.7	33.7	33.7	33.7
15°	32.0	32.0	31.8	31.8
17.5°	30.1	30.1	30.1	30.0
20°	28.3	28.1	28.1	28.1
22.5°	26.1	26.0	26.0	26.0
25°	24.1	23.8	23.8	23.8
27.5°	22.0	21.8	21.5	21.5
30°	19.9	19.6	19.4	19.4
32.5°	17.8	17.5	17.3	17.3
35°	15.9	15.9	15.6	15.4
37.5°	14.2	14.2	14.2	14.2
40°	13.1	13.3	13.3	13.3
42.5°	12.4	12.7	12.8	13.1
45°	11.9	12.4	12.7	12.7
47.5°	11.7	11.9	12.2	12.2
50°	10.8	10.5	10.5	10.5
52.5°	8.7	8.2	7.9	7.7
55°	6.3	6.0	5.6	5.6
57.5°	4.5	4.5	4.2	4.2
60°	3.5	3.5	3.3	3.5
62.5°	3.1	3.1	3.1	3.1
65°	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8
69°	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6
72.5°	2.3	2.3	2.3	2.3
75°	2.1	2.3	2.3	2.3
77.5°	2.1	2.1	2.1	2.1
80°	1.9	1.9	2.1	2.1
82.5°	1.9	1.9	1.9	1.9
85°	1.7	1.7	1.9	1.9
87.5°	1.4	1.4	1.7	1.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)