

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: P181523

Luminaire Tested: **ICM-F01-LED-E1-T4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181523
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
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-T4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1356.5 lumens
Efficiency: N/A
Efficacy: 52.4 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

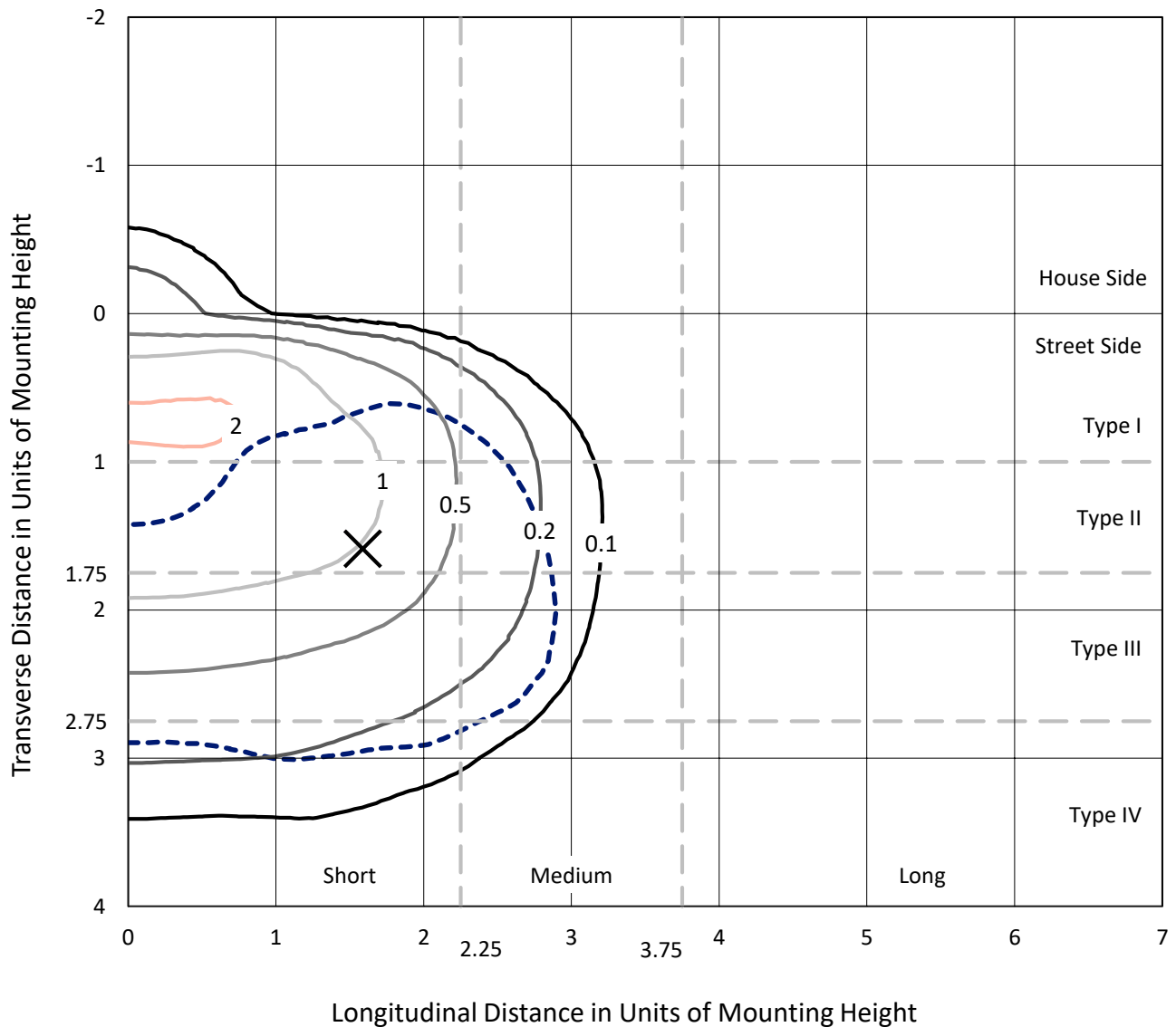
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

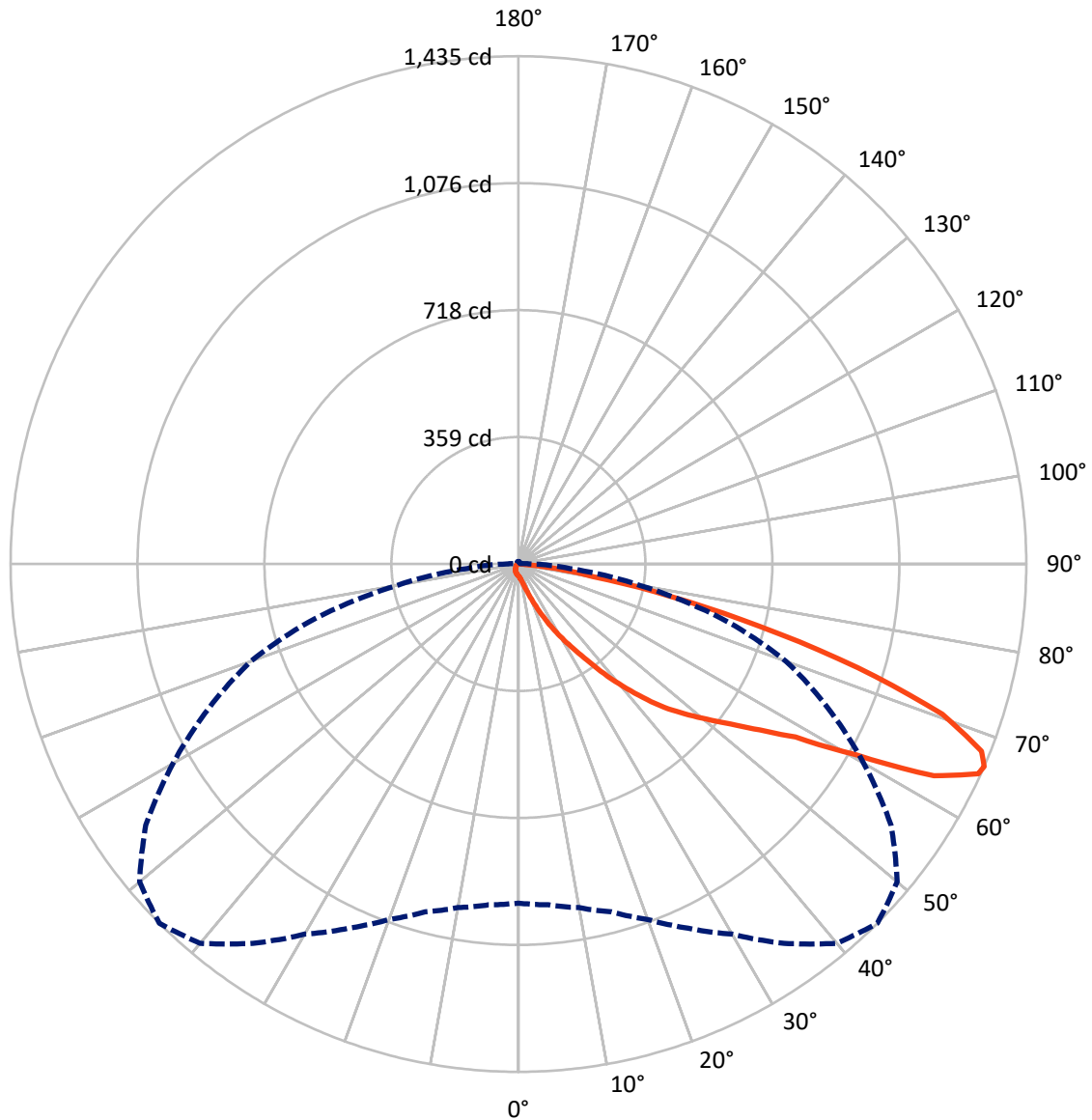
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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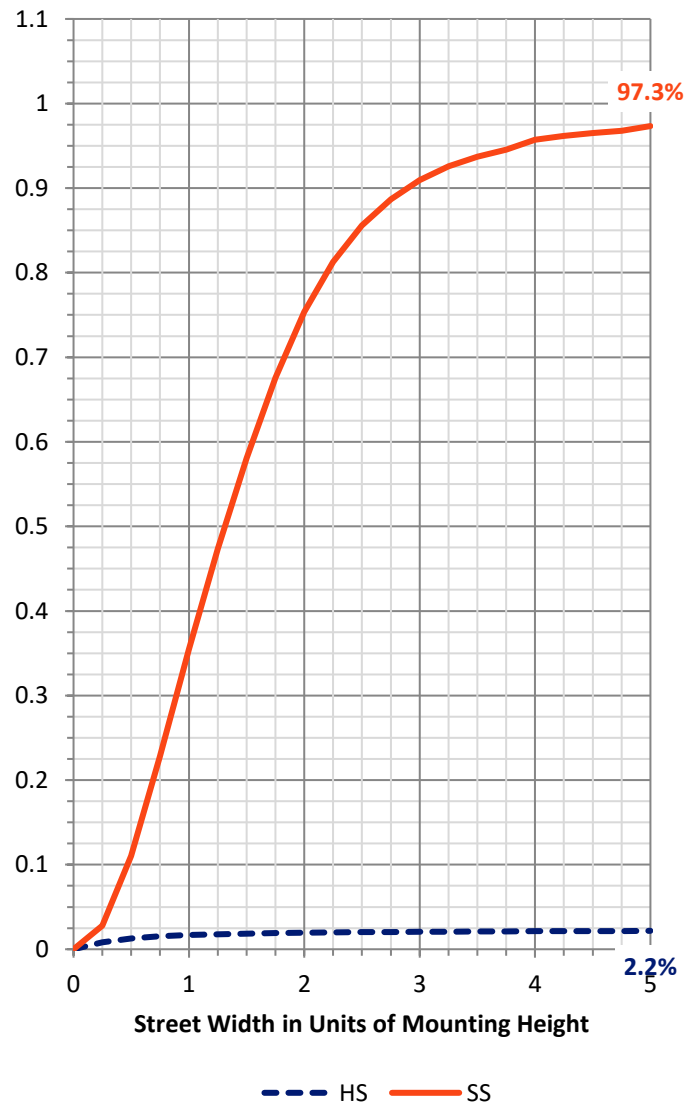
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.7	0.0	30.7
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1325.8	0.0	1325.8
	% Fixture	97.7	0.0	97.7
Total	Lumens	1356.5	0.0	1356.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.3
10°-20°	13.8	1.0
20°-30°	40.5	3.0
30°-40°	94.7	7.0
40°-50°	177.8	13.1
50°-60°	294.7	21.7
60°-70°	467.8	34.5
70°-80°	241.9	17.8
80°-90°	21.9	1.6
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°	1356.5	100.0
0°-180°	1356.5	100.0



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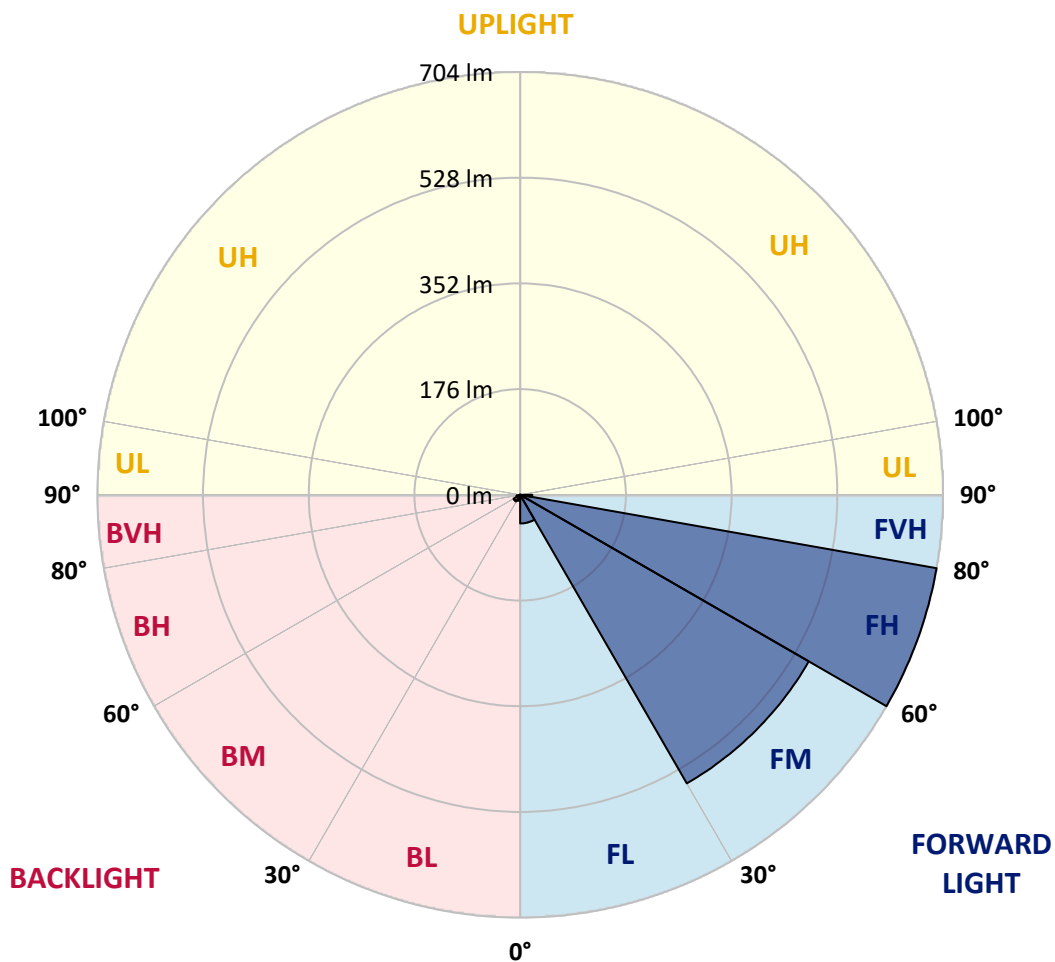
CATALOG NUMBER: ICM-F01-LED-E1-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.7	3.5			
FM	(30°-60°)	554.4	40.9			
FH	(60°-80°)	703.5	51.9			G1/1800
FVH	(80°-90°)	20.1	1.5			G1/100
BL	(0°-30°)	10.0	0.7	B0/110		
BM	(30°-60°)	12.8	0.9	B0/220		
BH	(60°-80°)	6.2	0.5	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2.5°	36.7	36.7	36.7	36.7	36.5	36.3	36.0	35.8	35.5	35.5	35.3
5°	41.6	41.9	41.6	41.4	40.9	40.7	40.0	39.5	38.8	38.6	37.9
7.5°	48.4	48.2	48.4	47.7	46.8	46.5	45.6	44.5	43.4	42.0	41.1
10°	58.2	58.0	58.2	56.8	55.4	54.2	52.6	51.2	49.1	47.4	45.6
12.5°	73.9	73.9	73.4	71.5	69.7	67.1	64.6	61.5	57.8	54.5	51.4
15°	98.0	96.8	94.7	93.5	90.2	86.2	83.4	77.4	72.0	66.9	60.7
17.5°	127.0	124.7	123.0	120.4	116.2	111.1	106.4	97.5	92.1	83.7	75.1
20°	160.2	157.3	156.8	152.9	148.5	142.9	136.1	125.6	116.5	106.0	93.8
22.5°	194.0	194.5	192.7	189.9	185.4	178.9	168.4	158.8	147.5	134.2	118.5
25°	231.9	231.7	230.0	226.8	223.5	215.4	206.9	197.8	184.5	167.4	148.7
27.5°	267.4	267.3	263.3	263.5	257.2	254.1	246.0	236.1	220.0	205.8	185.4
30°	304.7	302.3	299.7	297.9	293.4	288.0	283.8	272.1	260.0	243.2	226.5
32.5°	342.2	339.7	340.4	338.0	334.6	329.2	322.9	313.3	300.2	283.8	268.4
35°	388.4	387.2	385.3	386.0	385.3	381.3	375.9	363.4	349.0	333.4	317.5
37.5°	422.5	421.3	422.5	427.4	428.6	431.2	427.2	420.8	410.5	393.5	376.8
40°	454.0	454.2	459.6	465.8	470.0	478.3	479.7	477.2	469.0	453.3	431.6
42.5°	482.3	485.9	490.7	500.8	510.0	521.9	530.7	532.1	526.0	515.7	493.8
45°	513.9	516.9	524.7	536.6	549.2	563.9	578.1	585.7	585.2	578.0	554.3
47.5°	549.2	553.1	561.6	571.4	588.2	604.8	623.3	636.7	642.2	632.2	609.3
50°	592.0	593.6	600.8	613.5	628.9	648.1	668.2	687.6	698.6	689.2	665.6
52.5°	642.7	643.2	650.0	661.7	674.1	695.1	714.7	741.6	755.9	750.7	722.4
55°	712.4	711.0	715.6	725.7	735.7	756.1	775.7	806.1	827.0	827.4	797.2
57.5°	807.5	804.3	807.3	815.3	826.5	845.4	870.2	897.1	924.9	923.1	898.2
60°	940.1	938.9	944.6	957.9	977.0	996.7	1024.8	1060.9	1085.5	1094.0	1068.0
62.5°	1028.3	1031.5	1044.4	1064.9	1101.9	1142.6	1194.7	1250.1	1296.8	1318.0	1282.1
65°	990.3	995.7	1015.8	1046.2	1095.1	1156.1	1225.3	1316.3	1396.9	1428.9	1391.8
66°	958.3	967.0	986.0	1018.1	1069.1	1135.8	1208.0	1308.6	1399.3	1435.3	1397.4
67.5°	902.9	909.0	930.5	966.3	1021.0	1086.9	1165.0	1271.2	1373.6	1411.6	1374.1
70°	790.0	792.4	809.9	840.3	882.6	950.1	1021.0	1123.2	1217.4	1270.9	1229.8
72.5°	588.0	591.3	620.3	675.6	730.6	768.9	810.8	892.7	953.4	1003.4	995.5
75°	282.9	284.3	303.7	384.6	491.6	537.5	576.3	639.6	662.8	704.7	698.3
77.5°	179.3	182.3	195.0	214.6	275.4	329.9	360.6	396.7	403.5	438.8	418.2
80°	49.3	57.3	69.9	102.9	176.6	210.4	224.2	222.8	224.2	213.5	206.4
82.5°	10.0	9.9	11.9	18.5	77.9	122.5	132.4	112.7	112.0	107.8	111.3
85°	2.6	2.3	2.8	5.9	13.3	36.3	45.6	25.5	19.4	18.5	16.4
87.5°	0.7	0.7	0.7	1.2	1.4	1.9	2.6	1.9	1.4	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2.5°	35.1	35.1	34.8	34.6	34.6	34.3	34.1	33.9	33.7	33.4	33.2
5°	37.2	36.7	36.0	35.5	35.1	34.3	33.9	33.4	32.9	32.7	32.3
7.5°	40.0	38.8	37.9	36.5	35.5	34.6	33.7	32.9	32.3	31.8	31.3
10°	43.4	41.6	39.7	37.9	36.3	34.8	33.4	32.3	31.5	30.9	30.4
12.5°	47.9	45.1	42.5	39.7	37.2	35.1	33.2	31.8	30.9	30.1	29.5
15°	55.2	50.7	46.3	42.0	38.8	35.5	32.9	31.3	30.1	29.5	28.7
17.5°	66.6	58.7	51.6	45.9	40.5	36.3	32.9	30.9	29.5	28.6	27.8
20°	83.3	70.1	58.9	50.5	43.4	37.4	32.9	30.1	28.7	27.6	26.9
22.5°	102.9	86.5	71.1	57.0	47.0	39.1	32.9	29.5	27.8	26.9	26.0
25°	131.6	109.9	88.8	69.2	52.8	41.6	33.7	29.0	27.2	26.0	25.0
27.5°	165.3	139.1	112.9	85.3	61.8	45.4	34.6	28.6	26.4	25.0	24.1
30°	203.6	174.6	142.6	106.9	73.4	50.2	36.3	28.3	25.5	24.1	22.9
32.5°	245.2	214.6	179.5	134.4	90.7	57.8	38.3	28.1	24.6	22.9	21.5
35°	294.8	266.3	223.5	173.2	117.6	70.6	43.0	28.6	23.6	21.8	20.1
37.5°	349.0	318.7	273.3	214.4	144.3	85.1	46.5	27.8	22.0	20.1	18.5
40°	403.7	368.9	322.9	257.7	178.1	102.9	51.0	27.2	20.4	18.5	16.8
42.5°	457.1	420.4	370.3	302.0	214.0	123.9	56.6	27.2	19.2	16.8	15.2
45°	512.9	468.7	414.0	344.7	249.5	148.0	64.6	26.9	17.8	15.4	13.6
47.5°	565.8	513.4	450.5	382.0	287.5	174.4	73.7	27.2	16.6	14.0	12.4
50°	615.8	555.7	487.9	415.4	324.0	203.0	84.8	27.3	15.4	12.8	11.3
52.5°	670.5	603.9	528.2	449.9	360.0	231.7	98.0	27.8	14.2	11.7	10.3
55°	738.3	664.5	577.7	491.9	398.1	260.7	110.6	28.3	13.1	10.8	9.4
57.5°	836.1	751.9	658.1	555.1	448.7	293.7	123.7	29.5	12.2	10.0	8.7
60°	995.1	894.7	786.5	664.9	524.2	338.3	142.6	32.0	11.0	9.1	8.2
62.5°	1186.3	1065.7	927.9	780.4	595.3	368.5	155.3	34.8	10.0	8.4	7.7
65°	1282.6	1130.6	971.9	812.7	604.4	359.5	150.1	33.9	8.9	7.4	6.5
66°	1285.4	1127.2	965.8	805.7	595.0	348.8	145.2	33.4	8.7	7.3	6.0
67.5°	1258.8	1096.9	933.6	773.9	567.4	328.0	136.3	31.8	7.9	6.5	5.4
70°	1127.2	969.6	819.7	672.2	488.2	276.4	114.3	28.1	7.0	5.9	4.9
72.5°	898.5	770.1	643.9	528.8	379.4	207.4	90.2	22.9	6.0	5.1	4.2
75°	627.5	522.0	426.0	343.9	238.5	124.2	58.4	16.1	5.1	4.2	3.5
77.5°	350.2	277.8	210.0	159.9	95.2	38.8	19.4	8.2	4.5	3.3	2.8
80°	178.1	132.1	100.6	74.1	44.0	20.1	9.9	5.4	3.5	2.6	2.3
82.5°	103.5	76.0	60.6	47.9	30.1	15.2	7.9	4.0	2.3	1.9	2.1
85°	23.2	30.6	26.0	22.0	16.1	9.6	5.6	2.6	1.7	1.7	1.9
87.5°	1.9	2.6	2.3	3.1	3.3	3.1	2.3	1.4	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
2.5°	32.9	32.7	32.7	32.5	32.3	32.3	32.3	32.0	32.3	32.3	32.3
5°	32.0	31.8	31.5	31.3	31.1	30.9	30.9	30.6	30.6	30.6	30.9
7.5°	31.1	30.6	30.4	30.0	29.7	29.5	29.5	29.2	29.2	29.2	29.2
10°	30.0	29.5	29.0	28.7	28.6	28.1	28.1	27.8	27.6	27.6	27.6
12.5°	29.0	28.6	28.1	27.6	27.2	26.9	26.7	26.4	26.1	26.1	26.1
15°	28.1	27.3	26.9	26.4	26.0	25.5	25.2	25.0	24.7	24.6	24.6
17.5°	27.2	26.4	25.7	25.2	24.7	24.3	24.1	23.3	23.3	23.2	23.2
20°	26.0	25.2	24.6	24.1	23.6	23.2	22.7	22.2	21.8	21.5	21.5
22.5°	25.0	24.3	23.6	22.9	22.2	21.5	21.0	20.6	20.4	20.1	19.9
25°	24.1	23.2	22.2	21.5	20.8	20.1	19.6	19.2	18.7	18.5	18.5
27.5°	22.9	22.0	21.0	20.1	19.4	18.7	18.2	17.5	17.3	17.0	16.8
30°	21.8	20.6	19.6	18.7	18.0	17.0	16.6	16.1	15.6	15.6	15.4
32.5°	20.4	19.2	18.2	17.3	16.4	15.6	15.2	14.7	14.5	14.0	14.0
35°	19.0	17.8	16.6	15.6	15.0	14.2	13.8	13.3	12.8	12.7	12.7
37.5°	17.3	16.1	15.2	14.2	13.6	12.8	12.4	11.9	11.7	11.4	11.3
40°	15.4	14.2	13.6	12.8	12.2	11.7	11.0	10.5	10.3	10.0	9.9
42.5°	13.8	12.7	12.2	11.7	11.0	10.5	9.9	9.4	8.9	8.7	8.4
45°	12.4	11.4	11.0	10.5	9.9	9.1	8.7	8.2	7.7	7.4	7.4
47.5°	11.0	10.3	9.9	9.4	8.7	8.2	7.4	7.3	6.8	6.8	6.8
50°	10.0	9.4	8.9	8.4	7.9	7.3	6.8	6.5	6.3	6.3	6.5
52.5°	9.4	8.7	8.2	7.7	7.3	6.8	6.3	6.0	6.0	6.3	6.5
55°	8.7	7.9	7.4	7.0	6.5	6.3	5.9	5.9	6.0	6.3	6.5
57.5°	8.2	7.3	6.8	6.5	6.0	5.9	5.9	5.9	6.0	6.3	6.8
60°	7.4	6.5	6.0	6.0	5.6	5.6	5.6	5.9	6.0	6.5	6.8
62.5°	6.5	5.9	5.6	5.6	5.4	5.4	5.6	5.9	6.3	6.5	6.8
65°	5.6	5.1	5.1	5.1	5.1	5.4	5.6	5.9	6.0	6.5	6.8
66°	5.1	4.9	4.9	5.1	5.1	5.4	5.6	5.9	6.0	6.3	6.5
67.5°	4.9	4.7	4.7	4.9	5.1	5.1	5.4	5.9	6.0	6.3	6.3
70°	4.2	4.2	4.2	4.7	4.9	5.1	5.4	5.6	5.9	6.0	6.3
72.5°	3.7	3.7	4.0	4.2	4.7	4.9	5.1	5.4	5.9	6.0	6.0
75°	3.3	3.3	3.7	4.0	4.5	4.7	5.1	5.4	5.6	5.9	5.9
77.5°	2.8	3.1	3.5	4.0	4.2	4.7	4.9	5.1	5.4	5.6	5.6
80°	2.6	3.1	3.5	3.7	4.0	4.2	4.5	4.9	5.1	5.4	5.6
82.5°	2.6	2.8	3.3	3.5	3.7	4.2	4.5	4.7	4.9	5.1	5.4
85°	2.1	2.6	2.8	3.3	3.5	4.0	4.2	4.2	4.5	4.7	4.9
87.5°	1.7	1.9	1.9	2.3	2.6	3.1	3.5	3.5	3.7	4.0	4.2
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):

	165°	170°	175°	180°
0°	33.9	33.9	33.9	33.9
2.5°	32.3	32.5	32.5	32.5
5°	30.9	30.9	30.9	30.9
7.5°	29.2	29.2	29.2	29.2
10°	27.6	27.6	27.8	27.6
12.5°	26.1	26.0	26.0	26.0
15°	24.6	24.6	24.3	24.6
17.5°	22.9	22.9	22.7	22.7
20°	21.3	21.3	21.3	21.3
22.5°	19.9	19.6	19.6	19.6
25°	18.2	18.2	18.2	18.2
27.5°	16.8	16.8	16.8	16.8
30°	15.4	15.4	15.2	15.2
32.5°	14.0	14.0	14.0	14.0
35°	12.7	12.7	12.4	12.4
37.5°	11.0	11.0	11.0	11.0
40°	9.6	9.6	9.6	9.6
42.5°	8.4	8.4	8.2	8.2
45°	7.3	7.3	7.3	7.3
47.5°	6.8	6.8	6.8	6.8
50°	6.5	6.8	6.8	6.8
52.5°	6.8	6.8	6.8	6.8
55°	6.8	7.0	7.0	7.0
57.5°	6.8	7.0	7.0	7.3
60°	7.0	7.3	7.3	7.3
62.5°	7.0	7.3	7.3	7.3
65°	6.8	7.0	7.0	7.0
66°	6.8	6.8	6.8	7.0
67.5°	6.5	6.8	6.8	6.8
70°	6.3	6.5	6.5	6.8
72.5°	6.3	6.5	6.5	6.5
75°	6.0	6.0	6.3	6.3
77.5°	5.9	5.9	6.0	6.0
80°	5.6	5.9	5.9	5.9
82.5°	5.4	5.6	5.6	5.6
85°	4.9	5.1	5.1	5.1
87.5°	4.2	4.2	4.5	4.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)