

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: P181583

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181583
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: ICS-F01-LED-E1-T4-HSS-7030
Description: ICON SITE SMALL 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: 1312.5 lumens
Efficiency: N/A
Efficacy: 50.7 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



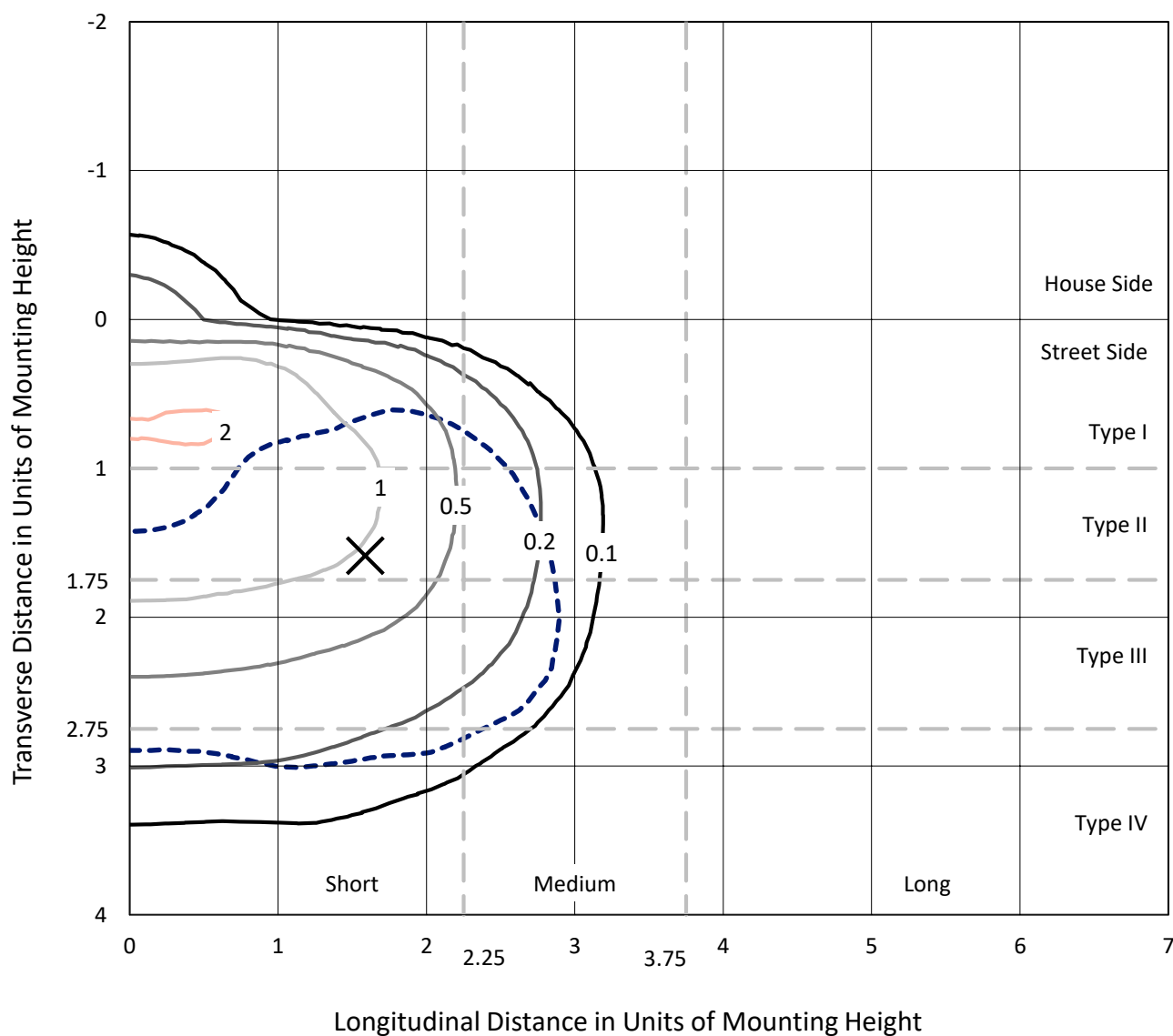
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

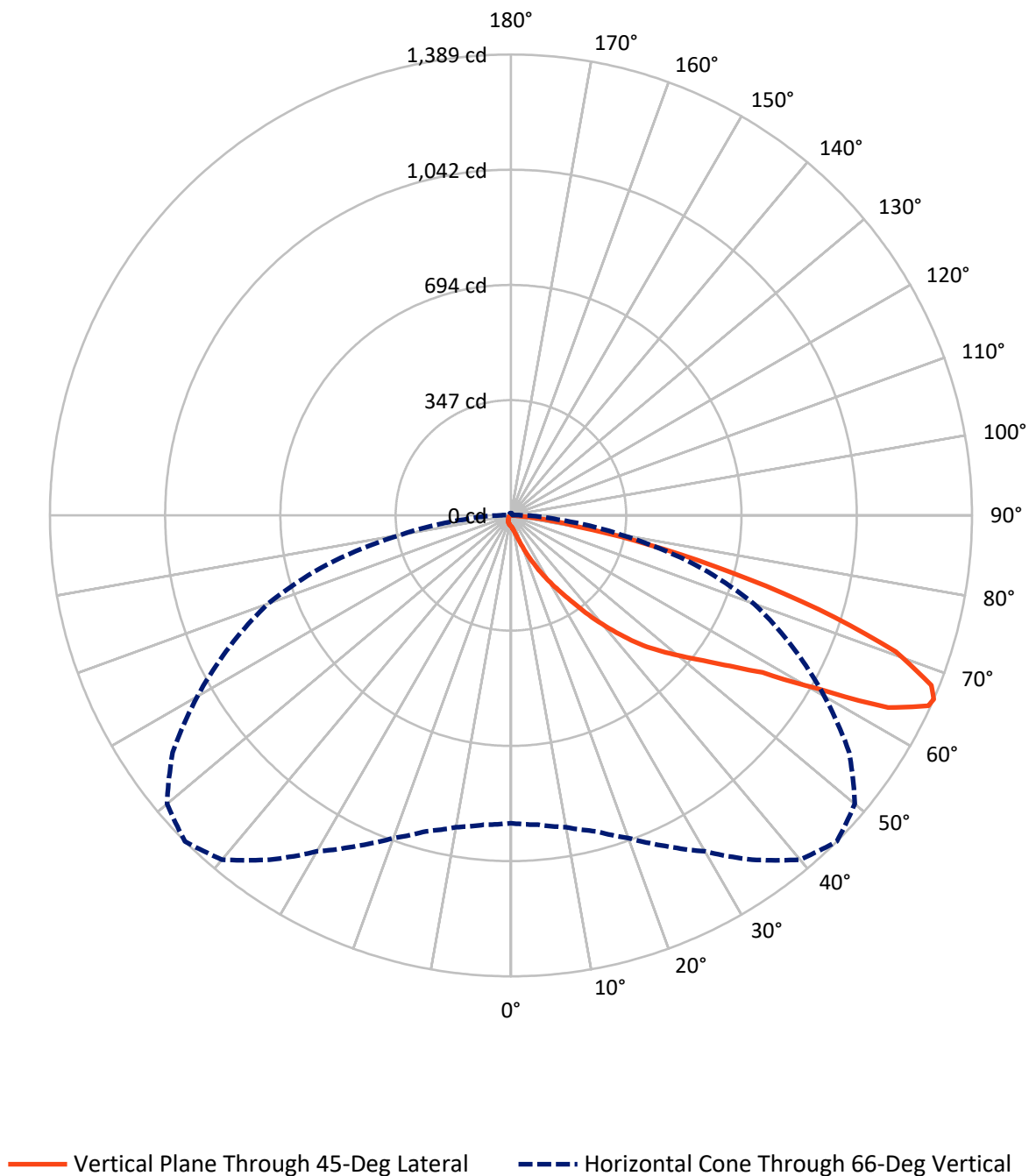


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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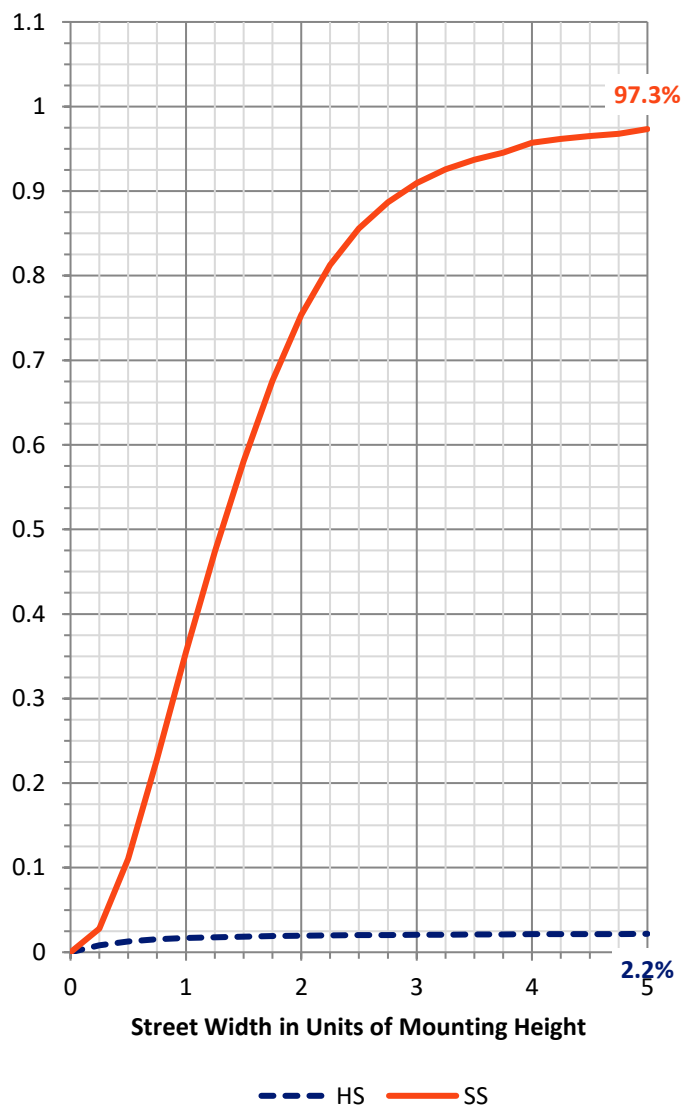
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.8	0.0	29.8
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1282.8	0.0	1282.8
	% Fixture	97.7	0.0	97.7
Total	Lumens	1312.5	0.0	1312.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.3
10°-20°	13.4	1.0
20°-30°	39.2	3.0
30°-40°	91.6	7.0
40°-50°	172.0	13.1
50°-60°	285.1	21.7
60°-70°	452.6	34.5
70°-80°	234.1	17.8
80°-90°	21.1	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°	1312.5	100.0
0°-180°	1312.5	100.0

Coefficient of Utilization



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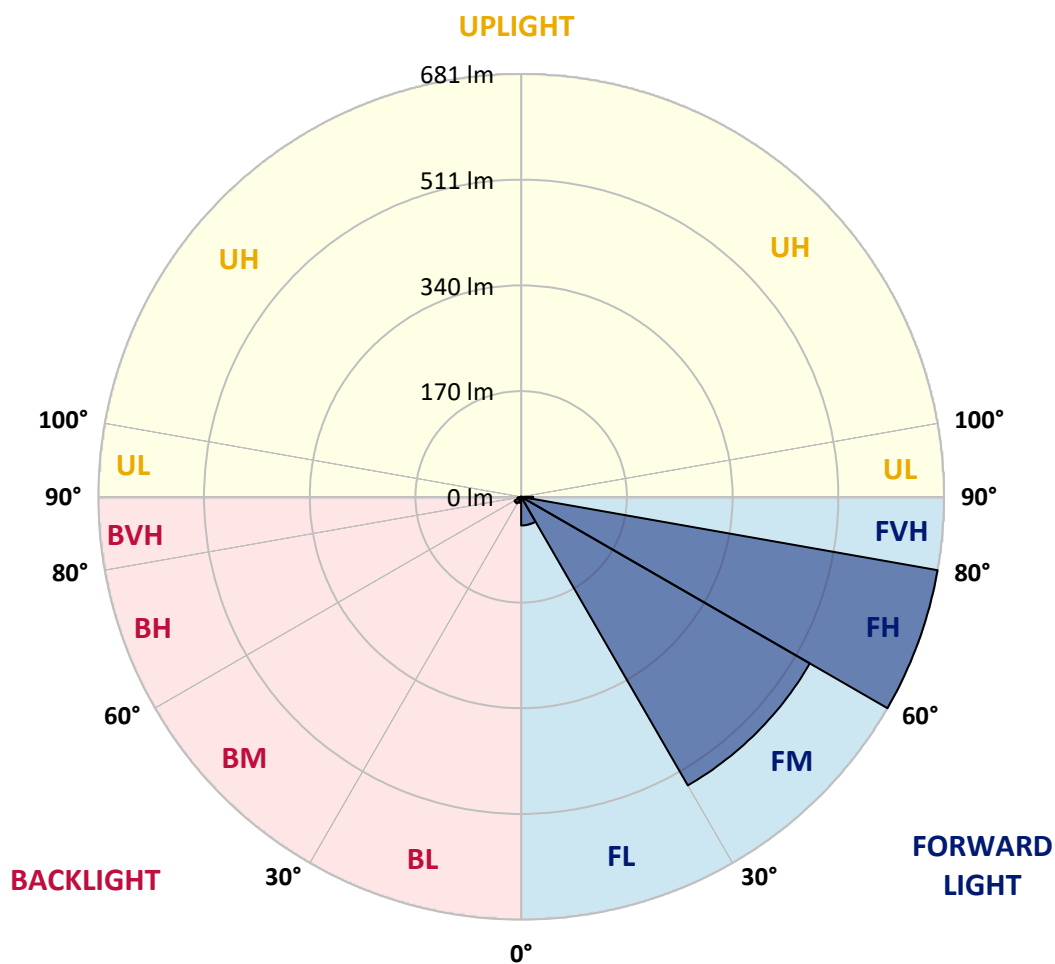
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.2	3.5			
FM	(30°-60°)	536.4	40.9			
FH	(60°-80°)	680.7	51.9			G1/1800
FVH	(80°-90°)	19.5	1.5			G1/100
BL	(0°-30°)	9.7	0.7	B0/110		
BM	(30°-60°)	12.3	0.9	B0/220		
BH	(60°-80°)	6.0	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°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	35.5	35.5	35.5	35.5	35.3	35.1	34.8	34.6	34.4	34.4	34.2
5°	40.3	40.5	40.3	40.0	39.6	39.4	38.7	38.2	37.6	37.3	36.6
7.5°	46.8	46.6	46.8	46.1	45.2	45.0	44.1	43.0	42.1	40.7	39.8
10°	56.3	56.1	56.3	55.0	53.6	52.5	50.9	49.5	47.5	45.9	44.1
12.5°	71.5	71.5	71.0	69.2	67.4	64.9	62.4	59.5	55.9	52.7	49.8
15°	94.8	93.7	91.6	90.5	87.3	83.5	80.8	74.9	69.7	64.7	58.8
17.5°	122.8	120.6	119.0	116.5	112.4	107.4	102.9	94.3	89.1	81.0	72.6
20°	155.0	152.2	151.8	147.9	143.6	138.2	131.7	121.5	112.7	102.5	90.7
22.5°	187.8	188.2	186.4	183.7	179.4	173.1	162.9	153.6	142.7	129.8	114.7
25°	224.4	224.2	222.6	219.4	216.3	208.3	200.2	191.4	178.5	162.0	143.9
27.5°	258.8	258.6	254.7	254.9	248.8	245.9	238.0	228.5	212.9	199.1	179.4
30°	294.8	292.5	290.0	288.2	283.9	278.7	274.6	263.3	251.5	235.3	219.2
32.5°	331.2	328.7	329.4	327.1	323.7	318.5	312.4	303.1	290.5	274.6	259.7
35°	375.7	374.6	372.8	373.5	372.8	368.9	363.7	351.5	337.7	322.6	307.2
37.5°	408.8	407.6	408.8	413.5	414.6	417.1	413.3	407.2	397.2	380.7	364.7
40°	439.3	439.5	444.7	450.6	454.7	462.8	464.2	461.7	453.8	438.6	417.6
42.5°	466.7	470.1	474.8	484.5	493.4	504.9	513.5	514.9	509.0	499.0	477.8
45°	497.2	500.2	507.6	519.2	531.4	545.6	559.4	566.7	566.2	559.2	536.3
47.5°	531.4	535.2	543.4	552.9	569.1	585.2	603.1	616.0	621.4	611.7	589.5
50°	572.8	574.3	581.4	593.6	608.5	627.1	646.5	665.3	675.9	666.9	644.0
52.5°	621.9	622.3	628.9	640.2	652.2	672.5	691.5	717.5	731.3	726.4	699.0
55°	689.3	687.9	692.4	702.2	711.9	731.6	750.6	780.0	800.1	800.6	771.4
57.5°	781.3	778.2	781.1	788.8	799.7	818.0	842.0	868.0	894.9	893.1	869.1
60°	909.6	908.5	913.9	926.8	945.3	964.3	991.5	1026.5	1050.3	1058.4	1033.3
62.5°	994.9	998.0	1010.5	1030.4	1066.1	1105.5	1155.9	1209.5	1254.8	1275.1	1240.5
65°	958.2	963.4	982.9	1012.3	1059.6	1118.6	1185.6	1273.6	1351.6	1382.6	1346.6
66°	927.2	935.6	953.9	985.1	1034.5	1098.9	1168.8	1266.1	1353.9	1388.7	1352.1
67.5°	873.6	879.5	900.3	934.9	987.9	1051.7	1127.2	1229.9	1329.0	1365.9	1329.4
70°	764.4	766.6	783.6	813.0	853.9	919.3	987.9	1086.7	1177.9	1229.7	1189.9
72.5°	568.9	572.1	600.1	653.7	706.9	744.0	784.5	863.7	922.5	970.9	963.2
75°	273.7	275.1	293.8	372.1	475.7	520.1	557.6	618.9	641.3	681.8	675.7
77.5°	173.5	176.4	188.7	207.7	266.5	319.2	348.8	383.9	390.4	424.6	404.7
80°	47.7	55.4	67.6	99.5	170.8	203.6	216.9	215.6	216.9	206.5	199.7
82.5°	9.7	9.5	11.5	17.9	75.3	118.5	128.0	109.0	108.4	104.3	107.7
85°	2.5	2.3	2.7	5.7	12.9	35.1	44.1	24.7	18.8	17.9	15.8
87.5°	0.7	0.7	0.7	1.1	1.4	1.8	2.5	1.8	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°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	33.9	33.9	33.7	33.5	33.5	33.3	33.0	32.8	32.6	32.3	32.1
5°	36.0	35.5	34.8	34.4	33.9	33.3	32.8	32.3	31.9	31.7	31.2
7.5°	38.7	37.6	36.6	35.3	34.4	33.5	32.6	31.9	31.2	30.8	30.3
10°	42.1	40.3	38.5	36.6	35.1	33.7	32.3	31.2	30.5	29.9	29.4
12.5°	46.4	43.7	41.2	38.5	36.0	33.9	32.1	30.8	29.9	29.2	28.5
15°	53.4	49.1	44.8	40.7	37.6	34.4	31.9	30.3	29.2	28.5	27.8
17.5°	64.5	56.8	50.0	44.3	39.1	35.1	31.9	29.9	28.5	27.6	26.9
20°	80.5	67.9	57.0	48.9	42.1	36.2	31.9	29.2	27.8	26.7	26.0
22.5°	99.5	83.7	68.8	55.2	45.5	37.8	31.9	28.5	26.9	26.0	25.1
25°	127.4	106.3	86.0	67.0	51.1	40.3	32.6	28.1	26.2	25.1	24.2
27.5°	159.9	134.6	109.3	82.6	59.7	43.9	33.5	27.6	25.6	24.2	23.3
30°	197.0	169.0	138.0	103.4	71.0	48.6	35.1	27.4	24.7	23.3	22.2
32.5°	237.3	207.7	173.7	130.1	87.8	55.9	37.1	27.1	23.8	22.2	20.8
35°	285.3	257.7	216.3	167.6	113.8	68.3	41.6	27.6	22.8	21.0	19.5
37.5°	337.7	308.3	264.4	207.4	139.6	82.3	45.0	26.9	21.3	19.5	17.9
40°	390.7	357.0	312.4	249.3	172.4	99.5	49.3	26.2	19.7	17.9	16.3
42.5°	442.2	406.7	358.3	292.3	207.0	119.9	54.7	26.2	18.5	16.3	14.7
45°	496.3	453.6	400.6	333.4	241.4	143.2	62.4	26.0	17.2	14.9	13.1
47.5°	547.4	496.8	435.9	369.6	278.2	168.8	71.3	26.2	16.1	13.6	12.0
50°	595.8	537.7	472.1	402.0	313.5	196.4	82.1	26.5	14.9	12.4	10.9
52.5°	648.8	584.3	511.0	435.2	348.4	224.2	94.8	26.9	13.8	11.3	10.0
55°	714.4	642.9	559.0	475.9	385.2	252.2	107.0	27.4	12.7	10.4	9.0
57.5°	808.9	727.5	636.8	537.0	434.1	284.1	119.7	28.5	11.8	9.7	8.4
60°	962.8	865.7	761.0	643.3	507.2	327.3	138.0	31.0	10.6	8.8	7.9
62.5°	1147.8	1031.1	897.8	755.1	575.9	356.5	150.2	33.7	9.7	8.1	7.5
65°	1241.0	1094.0	940.4	786.3	584.8	347.9	145.2	32.8	8.6	7.2	6.3
66°	1243.7	1090.6	934.5	779.5	575.7	337.5	140.5	32.3	8.4	7.0	5.9
67.5°	1217.9	1061.4	903.3	748.8	549.0	317.4	131.9	30.8	7.7	6.3	5.2
70°	1090.6	938.1	793.1	650.4	472.3	267.4	110.6	27.1	6.8	5.7	4.8
72.5°	869.3	745.1	623.0	511.7	367.1	200.6	87.3	22.2	5.9	5.0	4.1
75°	607.1	505.1	412.2	332.8	230.7	120.1	56.6	15.6	5.0	4.1	3.4
77.5°	338.9	268.7	203.1	154.7	92.1	37.6	18.8	7.9	4.3	3.2	2.7
80°	172.4	127.8	97.3	71.7	42.5	19.5	9.5	5.2	3.4	2.5	2.3
82.5°	100.2	73.5	58.6	46.4	29.2	14.7	7.7	3.8	2.3	1.8	2.0
85°	22.4	29.6	25.1	21.3	15.6	9.3	5.4	2.5	1.6	1.6	1.8
87.5°	1.8	2.5	2.3	2.9	3.2	2.9	2.3	1.4	1.1	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°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	31.9	31.7	31.7	31.4	31.2	31.2	31.2	31.0	31.2	31.2	31.2
5°	31.0	30.8	30.5	30.3	30.1	29.9	29.9	29.6	29.6	29.6	29.9
7.5°	30.1	29.6	29.4	29.0	28.7	28.5	28.5	28.3	28.3	28.3	28.3
10°	29.0	28.5	28.1	27.8	27.6	27.1	27.1	26.9	26.7	26.7	26.7
12.5°	28.1	27.6	27.1	26.7	26.2	26.0	25.8	25.6	25.3	25.3	25.3
15°	27.1	26.5	26.0	25.6	25.1	24.7	24.4	24.2	24.0	23.8	23.8
17.5°	26.2	25.6	24.9	24.4	24.0	23.5	23.3	22.6	22.6	22.4	22.4
20°	25.1	24.4	23.8	23.3	22.8	22.4	21.9	21.5	21.0	20.8	20.8
22.5°	24.2	23.5	22.8	22.2	21.5	20.8	20.4	19.9	19.7	19.5	19.2
25°	23.3	22.4	21.5	20.8	20.1	19.5	19.0	18.5	18.1	17.9	17.9
27.5°	22.2	21.3	20.4	19.5	18.8	18.1	17.6	17.0	16.7	16.5	16.3
30°	21.0	19.9	19.0	18.1	17.4	16.5	16.1	15.6	15.2	15.2	14.9
32.5°	19.7	18.5	17.6	16.7	15.8	15.2	14.7	14.3	14.0	13.6	13.6
35°	18.3	17.2	16.1	15.2	14.5	13.8	13.3	12.9	12.4	12.2	12.2
37.5°	16.7	15.6	14.7	13.8	13.1	12.4	12.0	11.5	11.3	11.1	10.9
40°	14.9	13.8	13.1	12.4	11.8	11.3	10.6	10.2	10.0	9.7	9.5
42.5°	13.3	12.2	11.8	11.3	10.6	10.2	9.5	9.0	8.6	8.4	8.1
45°	12.0	11.1	10.6	10.2	9.5	8.8	8.4	7.9	7.5	7.2	7.2
47.5°	10.6	10.0	9.5	9.0	8.4	7.9	7.2	7.0	6.6	6.6	6.6
50°	9.7	9.0	8.6	8.1	7.7	7.0	6.6	6.3	6.1	6.1	6.3
52.5°	9.0	8.4	7.9	7.5	7.0	6.6	6.1	5.9	5.9	6.1	6.3
55°	8.4	7.7	7.2	6.8	6.3	6.1	5.7	5.7	5.9	6.1	6.3
57.5°	7.9	7.0	6.6	6.3	5.9	5.7	5.7	5.7	5.9	6.1	6.6
60°	7.2	6.3	5.9	5.9	5.4	5.4	5.4	5.7	5.9	6.3	6.6
62.5°	6.3	5.7	5.4	5.4	5.2	5.2	5.4	5.7	6.1	6.3	6.6
65°	5.4	5.0	5.0	5.0	5.0	5.2	5.4	5.7	5.9	6.3	6.6
66°	5.0	4.8	4.8	5.0	5.0	5.2	5.4	5.7	5.9	6.1	6.3
67.5°	4.8	4.5	4.5	4.8	5.0	5.0	5.2	5.7	5.9	6.1	6.1
70°	4.1	4.1	4.1	4.5	4.8	5.0	5.2	5.4	5.7	5.9	6.1
72.5°	3.6	3.6	3.8	4.1	4.5	4.8	5.0	5.2	5.7	5.9	5.9
75°	3.2	3.2	3.6	3.8	4.3	4.5	5.0	5.2	5.4	5.7	5.7
77.5°	2.7	2.9	3.4	3.8	4.1	4.5	4.8	5.0	5.2	5.4	5.4
80°	2.5	2.9	3.4	3.6	3.8	4.1	4.3	4.8	5.0	5.2	5.4
82.5°	2.5	2.7	3.2	3.4	3.6	4.1	4.3	4.5	4.8	5.0	5.2
85°	2.0	2.5	2.7	3.2	3.4	3.8	4.1	4.1	4.3	4.5	4.8
87.5°	1.6	1.8	1.8	2.3	2.5	2.9	3.4	3.4	3.6	3.8	4.1
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):

	165°	170°	175°	180°
0°	32.8	32.8	32.8	32.8
2.5°	31.2	31.4	31.4	31.4
5°	29.9	29.9	29.9	29.9
7.5°	28.3	28.3	28.3	28.3
10°	26.7	26.7	26.9	26.7
12.5°	25.3	25.1	25.1	25.1
15°	23.8	23.8	23.5	23.8
17.5°	22.2	22.2	21.9	21.9
20°	20.6	20.6	20.6	20.6
22.5°	19.2	19.0	19.0	19.0
25°	17.6	17.6	17.6	17.6
27.5°	16.3	16.3	16.3	16.3
30°	14.9	14.9	14.7	14.7
32.5°	13.6	13.6	13.6	13.6
35°	12.2	12.2	12.0	12.0
37.5°	10.6	10.6	10.6	10.6
40°	9.3	9.3	9.3	9.3
42.5°	8.1	8.1	7.9	7.9
45°	7.0	7.0	7.0	7.0
47.5°	6.6	6.6	6.6	6.6
50°	6.3	6.6	6.6	6.6
52.5°	6.6	6.6	6.6	6.6
55°	6.6	6.8	6.8	6.8
57.5°	6.6	6.8	6.8	7.0
60°	6.8	7.0	7.0	7.0
62.5°	6.8	7.0	7.0	7.0
65°	6.6	6.8	6.8	6.8
66°	6.6	6.6	6.6	6.8
67.5°	6.3	6.6	6.6	6.6
70°	6.1	6.3	6.3	6.6
72.5°	6.1	6.3	6.3	6.3
75°	5.9	5.9	6.1	6.1
77.5°	5.7	5.7	5.9	5.9
80°	5.4	5.7	5.7	5.7
82.5°	5.2	5.4	5.4	5.4
85°	4.8	5.0	5.0	5.0
87.5°	4.1	4.1	4.3	4.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)