

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: P679852

Luminaire Tested: **CCW-SA-1-AMB-U-T2-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P679852
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1-AMB-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @500mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

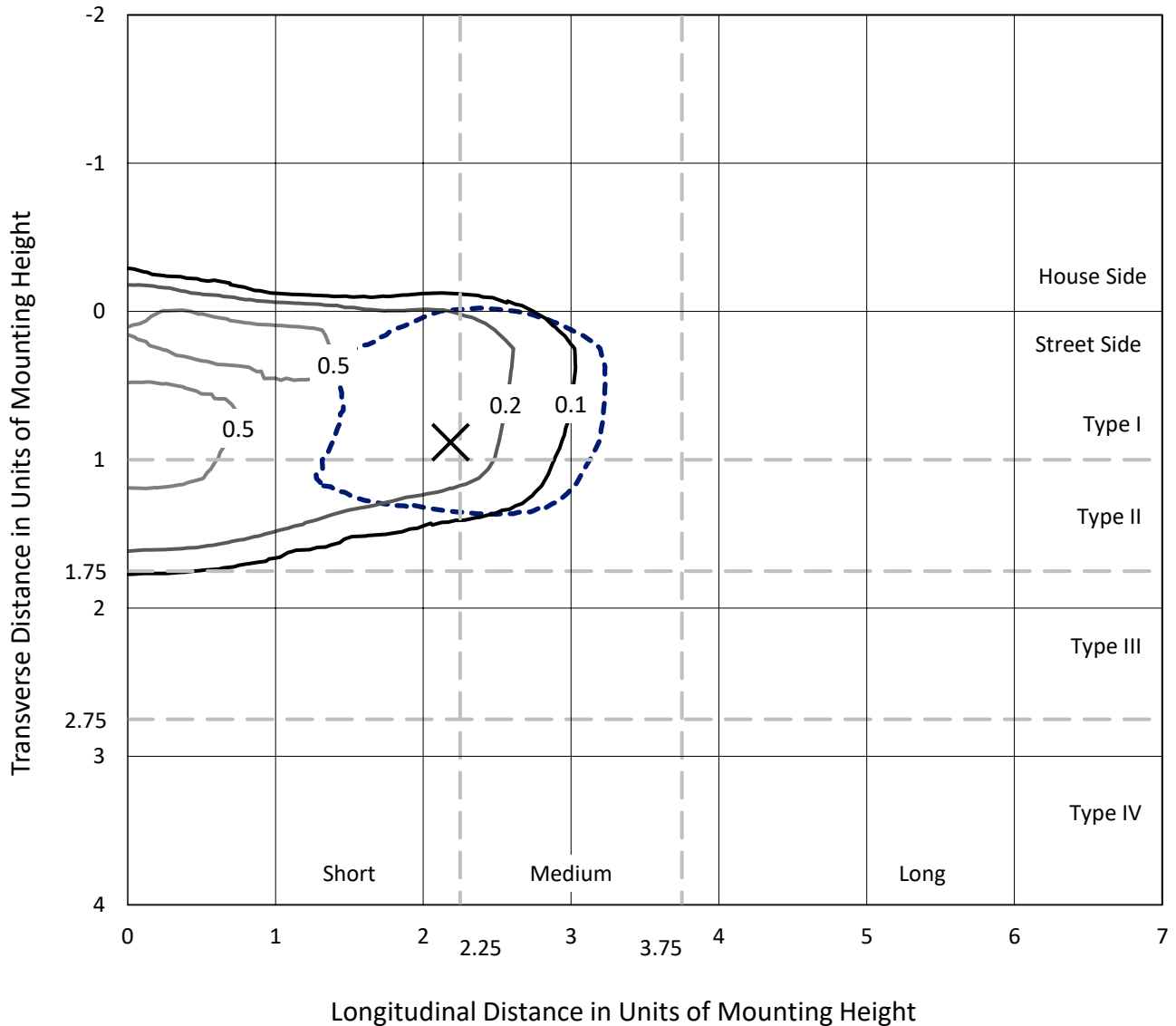
Lumens per Lamp: N/A
Luminaire Lumens: 857.9 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 22.6
Input Voltage (V): 120
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

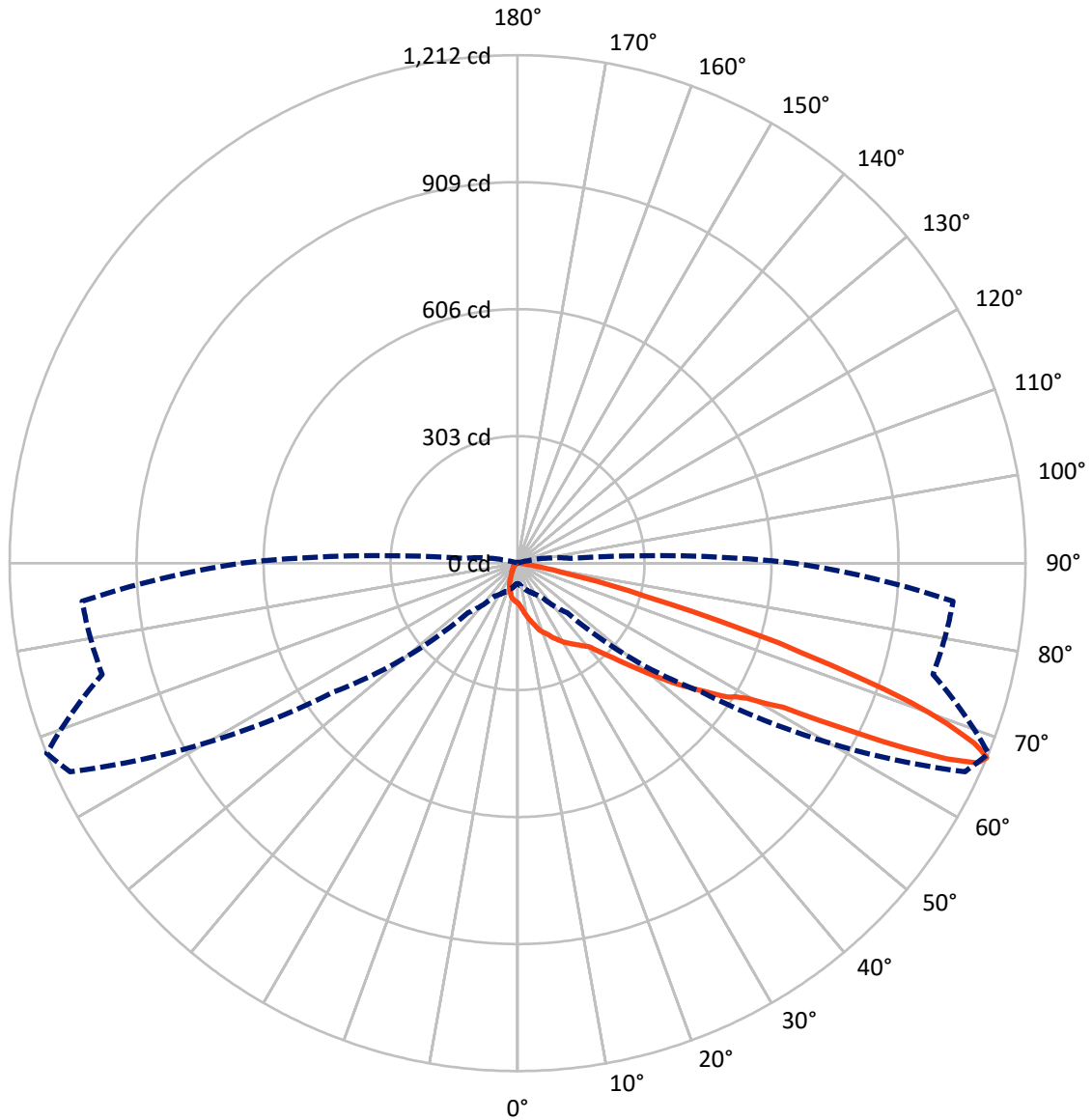
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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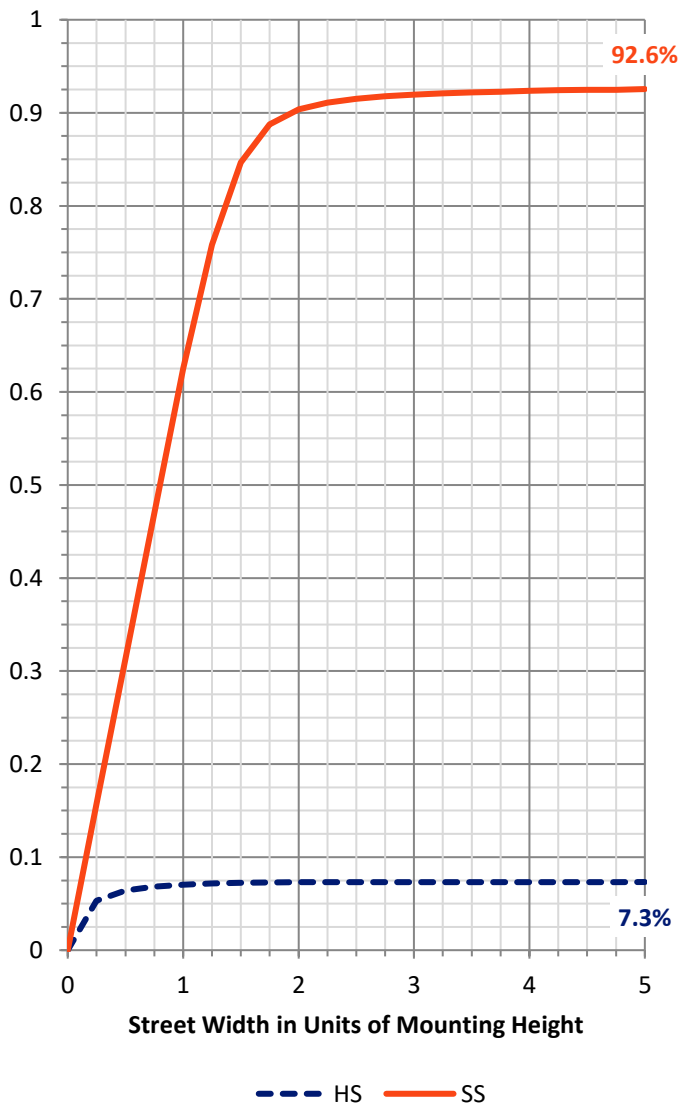
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	63.2	0.0	63.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	794.7	0.0	794.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	857.9	0.0	857.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.1
10°-20°	26.3	3.1
20°-30°	44.9	5.2
30°-40°	81.3	9.5
40°-50°	141.7	16.5
50°-60°	225.4	26.3
60°-70°	241.9	28.2
70°-80°	83.3	9.7
80°-90°	3.9	0.5
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°	857.9	100.0
0°-180°	857.9	100.0



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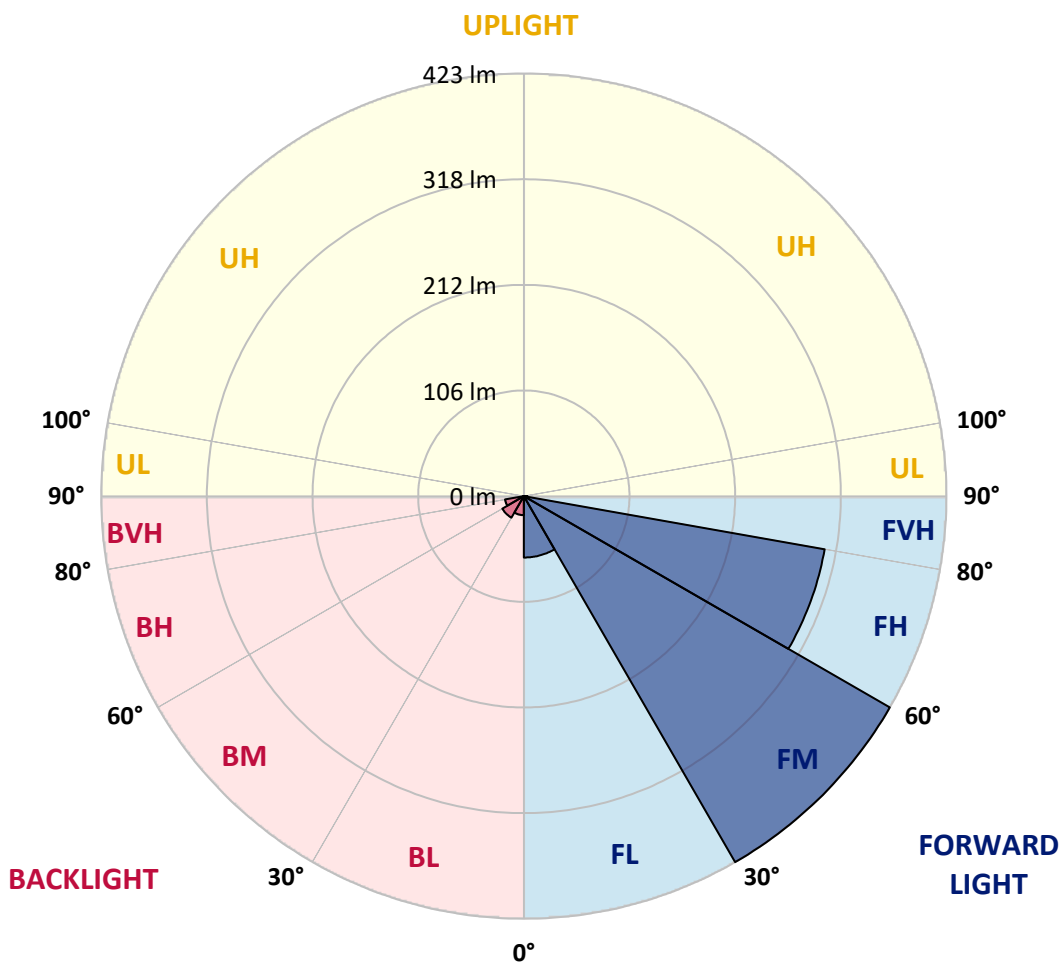
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.5	7.2			
FM (30°-60°)	423.4	49.4			
FH (60°-80°)	306.0	35.7			G0/660
FVH (80°-90°)	3.7	0.4			G0/10
BL (0°-30°)	19.0	2.2	B0/110		
BM (30°-60°)	24.9	2.9	B0/220		
BH (60°-80°)	19.1	2.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	108.2	108.9	109.6	108.9	107.5	104.9	103.5	101.5	100.9	99.5	98.2
5°	116.9	116.9	117.6	118.9	118.2	116.9	114.2	110.9	108.9	105.5	101.5
7.5°	118.9	119.6	119.6	121.6	120.9	122.9	124.2	121.6	120.2	116.9	109.6
10°	118.9	118.2	119.6	123.6	125.6	127.6	130.9	132.3	130.9	127.6	118.9
12.5°	116.9	117.6	118.9	124.2	128.9	134.3	138.9	144.3	142.3	141.6	130.9
15°	109.6	110.9	112.9	119.6	128.9	139.6	147.0	155.6	153.6	153.6	141.6
17.5°	102.9	102.9	105.5	112.9	124.9	138.9	154.3	163.7	167.7	165.7	151.6
20°	102.2	101.5	104.2	108.9	118.2	135.6	158.3	173.0	176.4	179.7	161.7
22.5°	119.6	117.6	115.6	111.6	116.2	132.3	159.7	182.4	184.4	193.1	173.0
25°	145.0	147.0	140.3	128.9	121.6	130.9	161.7	192.4	197.1	204.4	183.0
27.5°	175.7	175.0	170.3	157.0	139.6	134.3	163.7	200.4	207.7	220.4	195.1
30°	197.7	199.7	198.4	184.4	163.7	147.6	165.0	207.7	219.1	238.5	209.1
32.5°	225.8	223.8	225.1	215.8	193.1	165.7	170.3	215.8	228.5	255.8	220.4
35°	259.2	258.5	254.5	243.2	222.4	191.7	182.4	223.8	238.5	279.2	237.8
37.5°	295.9	302.6	297.3	271.9	250.5	219.1	202.4	235.1	249.8	297.9	256.5
40°	320.6	326.0	321.3	301.9	278.6	255.8	226.5	249.8	261.9	322.6	278.6
42.5°	338.7	340.0	342.0	332.7	310.0	287.2	261.2	276.6	290.6	356.0	310.0
45°	352.7	360.7	360.7	356.7	337.3	326.7	301.3	310.0	324.6	401.5	349.4
47.5°	390.8	394.8	392.8	382.8	366.1	362.7	338.0	354.0	368.1	454.9	391.4
50°	432.2	433.5	436.9	436.9	409.5	410.2	368.1	401.5	421.5	508.3	449.6
52.5°	439.5	446.9	462.3	475.6	473.6	453.6	395.5	459.6	481.0	563.8	508.3
55°	418.8	420.2	455.6	481.6	533.1	527.1	435.5	519.7	539.1	610.6	545.1
56°	402.8	400.8	438.2	473.6	533.7	553.8	473.6	548.4	566.5	631.9	552.4
57°	366.7	370.7	408.1	455.6	526.4	575.1	510.4	569.8	595.2	639.3	563.1
58°	323.3	316.6	362.1	427.5	517.0	579.2	563.1	597.9	609.9	649.3	576.5
59°	266.5	259.2	304.6	377.4	496.3	584.5	610.6	627.9	635.9	661.3	589.8
60°	210.4	211.8	256.5	316.0	444.9	571.8	654.0	680.7	678.7	684.0	613.9
61°	161.7	160.3	200.4	258.5	386.1	554.4	684.7	750.2	721.4	702.7	650.6
62°	136.3	138.3	160.3	206.4	314.0	507.0	706.1	860.4	813.0	734.1	711.4
63°	107.5	111.6	137.6	161.0	239.1	456.2	711.4	955.2	914.5	798.9	770.2
64°	82.2	84.2	106.9	133.6	189.0	372.1	720.1	1050.1	1026.7	863.7	867.7
65°	70.1	70.1	84.8	108.9	151.0	293.3	684.0	1134.3	1125.6	927.2	938.5
66°	60.8	60.8	73.5	90.2	119.6	219.1	616.6	1165.7	1196.4	990.6	993.3
67°	48.8	51.4	63.5	76.8	96.2	167.0	537.1	1178.4	1212.4	1026.7	1043.4
67.5°	46.1	47.4	57.4	71.5	86.2	143.0	474.9	1163.0	1192.4	1036.1	1039.4
68°	42.8	43.4	54.8	67.5	77.5	124.2	436.9	1136.9	1171.0	1044.8	1040.1
69°	36.7	37.4	47.4	58.8	66.1	91.5	332.0	1042.7	1094.2	1017.4	1003.3
70°	32.1	33.4	40.7	52.1	60.1	70.1	243.8	926.5	996.7	964.6	934.5
71°	28.1	28.7	35.4	45.4	54.8	54.1	176.4	779.6	855.7	871.7	835.0
72°	24.0	24.0	30.7	40.1	48.1	43.4	123.6	643.3	711.4	752.2	721.4
72.5°	22.0	22.7	28.7	37.4	45.4	40.7	103.5	569.8	652.6	686.0	666.7
73°	20.7	21.4	27.4	34.7	42.8	37.4	84.8	505.0	571.8	632.6	575.8
74°	19.4	18.7	23.4	30.1	36.7	31.4	58.8	388.8	435.5	479.6	438.9
75°	16.7	17.4	20.0	26.1	32.1	26.7	42.1	272.5	312.6	351.4	316.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
77.5°	12.7	13.4	14.7	17.4	23.4	18.7	24.0	104.2	118.9	138.3	110.2
80°	8.0	8.0	10.7	12.0	16.0	12.0	14.0	36.1	42.1	45.4	29.4
82.5°	5.3	5.3	6.7	9.4	10.7	7.3	6.7	16.0	17.4	17.4	10.0
85°	2.7	2.7	5.3	7.3	6.7	4.0	3.3	6.7	8.7	8.0	4.0
87.5°	1.3	1.3	2.0	2.7	2.7	2.0	2.0	2.7	2.7	4.0	1.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	95.5	94.9	94.2	91.5	90.2	88.2	86.2	84.2	84.2	83.5	84.2
5°	100.2	98.9	93.5	88.8	84.2	80.2	76.2	74.8	72.8	70.8	71.5
7.5°	106.2	102.2	92.2	84.2	78.2	70.8	66.1	62.8	62.1	60.8	60.1
10°	112.2	106.9	91.5	79.5	69.5	62.8	56.8	52.8	50.1	48.8	48.8
12.5°	120.9	109.6	88.2	72.1	62.1	52.8	45.4	39.4	35.4	32.7	32.1
15°	128.9	112.2	84.8	64.8	53.4	42.8	31.4	26.7	26.1	26.1	26.1
17.5°	134.9	113.6	78.8	58.1	44.8	28.7	24.0	23.4	23.4	23.4	23.4
20°	141.6	110.9	70.1	52.1	32.7	22.7	21.4	20.7	20.0	19.4	19.4
22.5°	145.6	108.9	64.1	44.1	23.4	20.7	18.7	17.4	16.7	16.0	16.0
25°	147.6	104.9	58.1	34.7	20.7	18.0	16.0	14.7	14.0	13.4	13.4
27.5°	149.6	100.2	53.4	24.7	19.4	16.0	14.0	12.7	12.0	11.4	11.4
30°	155.0	98.2	48.1	21.4	17.4	14.0	12.7	11.4	10.7	10.7	10.0
32.5°	156.3	93.5	42.8	20.0	16.0	12.7	11.4	10.0	9.4	9.4	9.4
35°	159.0	89.5	33.4	18.0	14.0	12.0	10.0	9.4	8.7	8.7	8.7
37.5°	161.0	83.5	25.4	16.7	13.4	10.7	9.4	8.7	8.0	8.0	8.0
40°	166.3	78.2	20.7	15.4	12.0	10.0	8.7	8.0	7.3	7.3	7.3
42.5°	176.4	74.8	19.4	13.4	10.7	9.4	8.0	7.3	6.7	6.0	6.0
45°	195.1	74.1	18.0	12.7	10.0	8.7	7.3	6.7	6.0	5.3	5.3
47.5°	215.1	72.8	17.4	12.0	9.4	8.0	6.7	6.0	5.3	4.7	4.7
50°	247.8	72.8	16.7	10.7	8.7	7.3	6.0	5.3	4.7	4.7	4.7
52.5°	277.2	75.5	15.4	10.0	8.7	6.7	5.3	4.7	4.7	4.0	4.0
55°	302.6	76.2	14.7	9.4	8.0	6.7	5.3	4.7	4.7	4.0	4.0
56°	312.0	76.8	14.0	8.7	7.3	6.0	5.3	4.7	4.0	4.0	4.0
57°	318.6	76.8	13.4	8.7	7.3	6.0	5.3	4.7	4.0	4.0	3.3
58°	331.3	76.2	12.7	8.0	6.7	6.0	5.3	4.7	4.0	3.3	3.3
59°	346.7	78.8	12.0	8.0	6.7	6.0	5.3	4.0	4.0	3.3	3.3
60°	368.1	84.2	11.4	7.3	6.0	5.3	4.7	4.0	3.3	2.7	2.7
61°	406.1	94.2	10.7	7.3	6.0	5.3	4.7	3.3	2.7	2.0	2.0
62°	448.9	108.9	10.0	6.7	5.3	4.7	4.0	3.3	2.0	1.3	1.3
63°	510.4	123.6	9.4	6.7	5.3	4.7	4.0	2.7	1.3	1.3	0.7
64°	571.8	132.9	8.7	6.0	4.7	4.0	3.3	2.0	1.3	0.7	0.7
65°	619.9	135.6	8.0	5.3	4.0	3.3	2.7	1.3	1.3	0.7	0.0
66°	638.6	136.3	7.3	4.7	4.0	3.3	2.0	1.3	0.7	0.0	0.0
67°	660.0	129.6	6.7	4.7	3.3	2.7	1.3	1.3	0.0	0.0	0.0
67.5°	659.3	124.9	6.7	4.0	3.3	2.7	1.3	0.7	0.0	0.0	0.0
68°	641.9	119.6	6.0	4.0	3.3	2.0	1.3	0.7	0.0	0.0	0.0
69°	610.6	106.9	5.3	3.3	2.7	2.0	0.7	0.7	0.0	0.0	0.0
70°	562.5	93.5	5.3	3.3	2.7	1.3	0.7	0.7	0.0	0.0	0.0
71°	495.0	79.5	4.7	3.3	2.0	1.3	0.7	0.0	0.0	0.0	0.0
72°	413.5	66.1	4.0	2.7	2.0	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	375.4	54.1	4.0	2.7	1.3	0.7	0.7	0.0	0.0	0.0	0.0
73°	322.0	47.4	4.0	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
74°	238.5	31.4	3.3	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
75°	165.7	19.4	3.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	50.8	7.3	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	14.7	4.0	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.7	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)