

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: P681438

Luminaire Tested: **CCP-SA-1-AMB-U-SL3-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P681438
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1-AMB-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ SL3 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

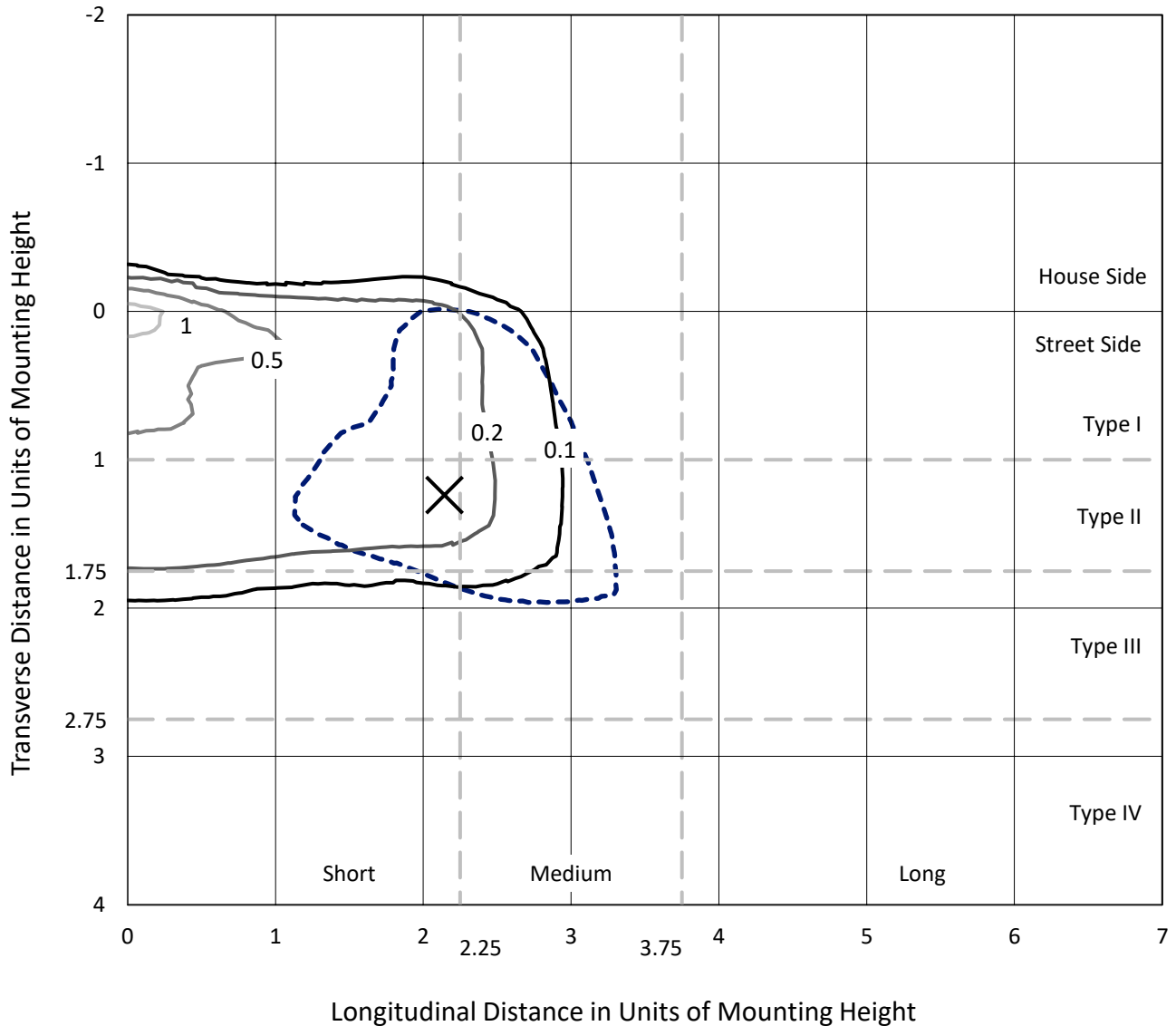
Lumens per Lamp: N/A
Luminaire Lumens: 988.6 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

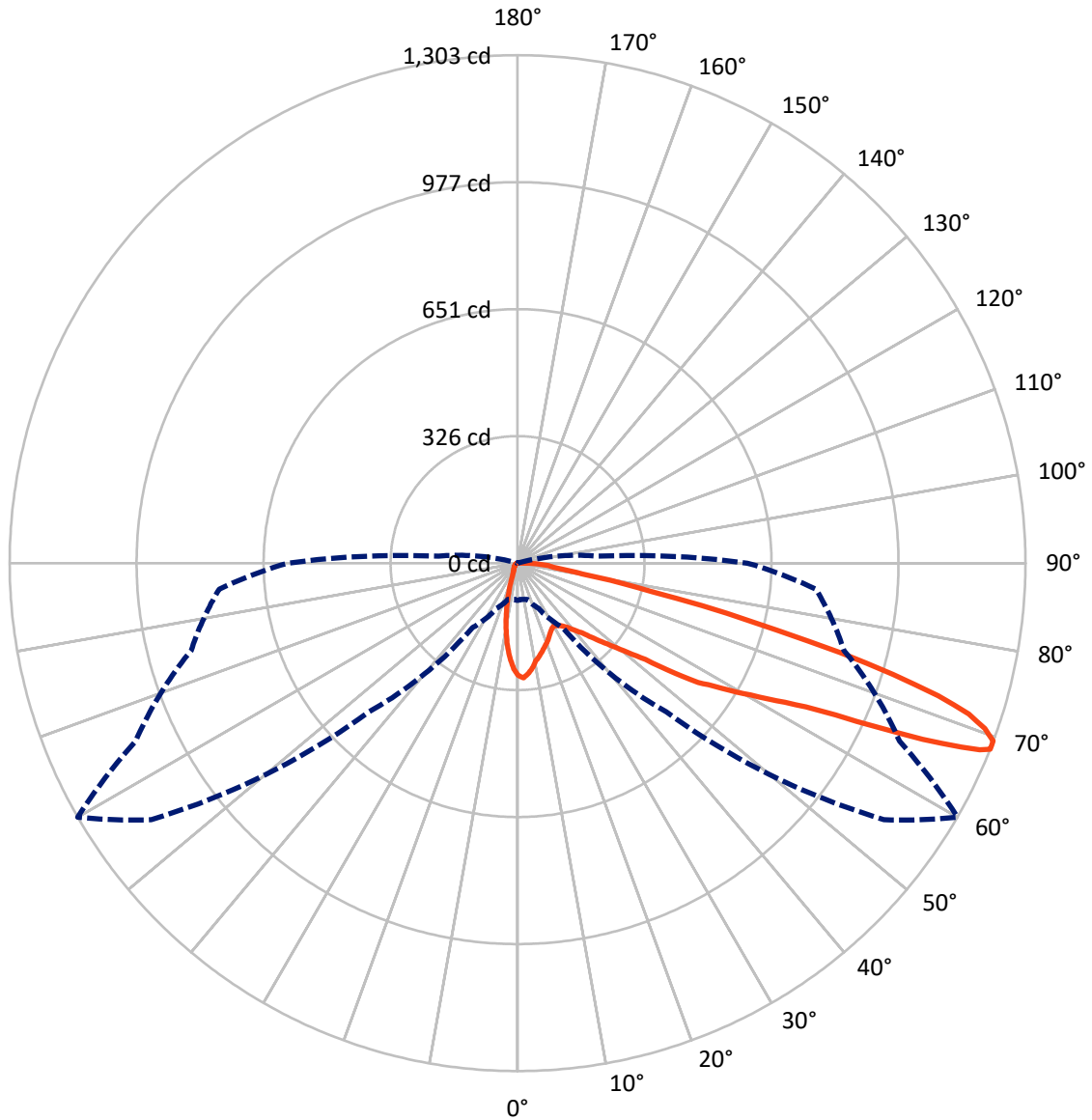
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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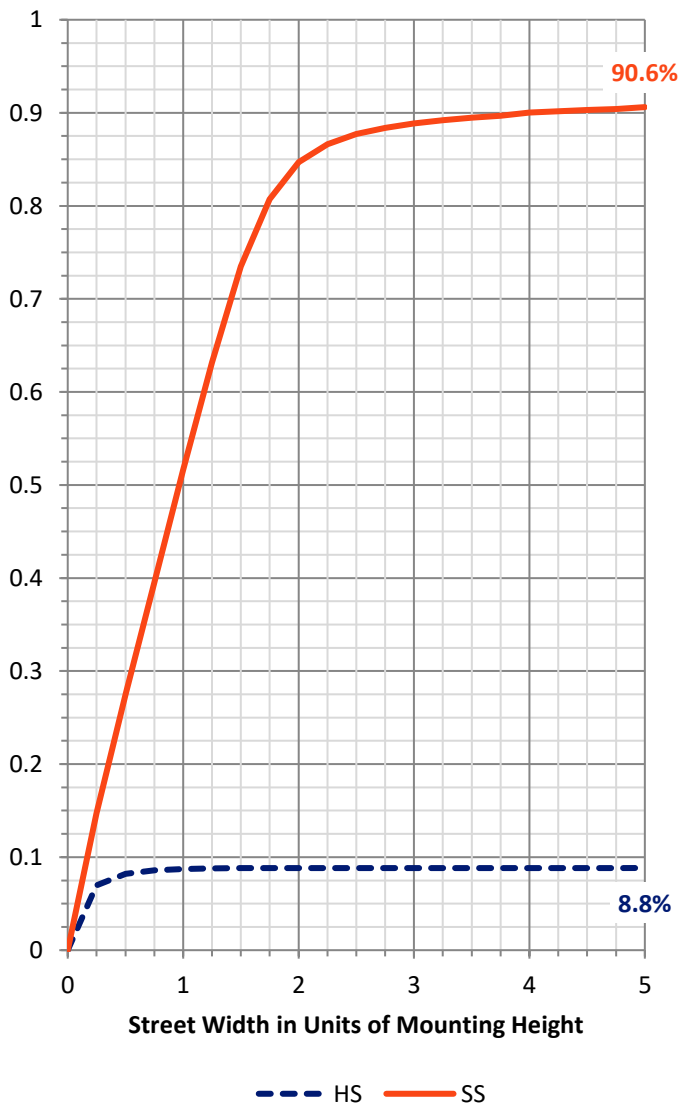
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	88.0	0.0	88.0
	% Fixture	8.9	0.0	8.9
Street Side	Lumens	900.6	0.0	900.6
	% Fixture	91.1	0.0	91.1
Total	Lumens	988.6	0.0	988.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	2.3
10°-20°	43.6	4.4
20°-30°	56.4	5.7
30°-40°	77.9	7.9
40°-50°	125.3	12.7
50°-60°	224.2	22.7
60°-70°	297.2	30.1
70°-80°	127.7	12.9
80°-90°	13.9	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°	988.6	100.0
0°-180°	988.6	100.0



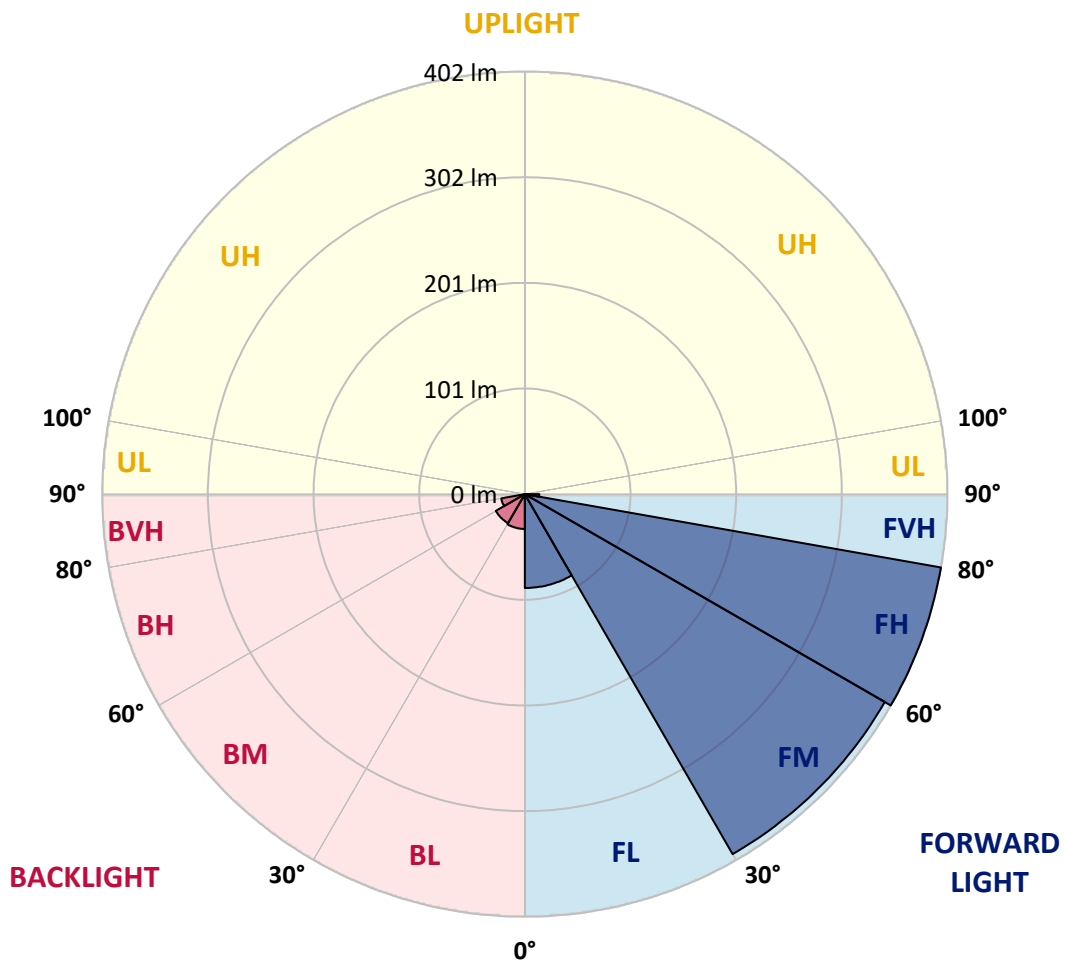
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.3	9.0			
FM (30°-60°)	395.5	40.0			
FH (60°-80°)	402.1	40.7			G0/660
FVH (80°-90°)	13.7	1.4			G1/100
BL (0°-30°)	33.1	3.4	B0/110		
BM (30°-60°)	31.9	3.2	B0/220		
BH (60°-80°)	22.8	2.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	295.3	293.9	297.3	295.3	297.9	297.9	295.9	294.6	293.3	287.9	286.6
5°	277.9	273.2	276.6	279.9	281.2	282.6	283.2	284.6	285.9	284.6	281.2
7.5°	250.5	249.8	251.8	258.5	260.5	263.2	269.2	271.9	274.6	275.9	271.9
10°	226.5	226.5	229.1	232.5	241.2	247.2	252.5	255.2	258.5	267.9	262.5
12.5°	209.1	210.4	211.1	213.8	223.1	231.8	240.5	245.8	249.8	256.5	257.9
15°	189.7	190.4	195.7	198.4	206.4	216.4	229.8	235.1	240.5	252.5	251.8
17.5°	182.4	181.0	183.7	185.0	192.4	205.7	219.1	225.1	233.8	246.5	245.8
20°	178.4	177.7	177.7	178.4	181.7	191.1	207.8	216.4	226.5	245.2	241.2
22.5°	176.4	177.7	177.7	174.4	176.4	180.4	195.7	205.7	217.1	245.2	235.8
25°	180.4	179.7	179.0	174.4	172.3	176.4	187.7	195.7	209.8	241.8	233.1
27.5°	183.7	185.7	183.0	180.4	175.0	173.0	179.7	189.0	204.4	244.5	226.5
30°	190.4	191.7	191.7	189.0	180.4	175.0	177.7	185.0	201.7	249.2	228.5
32.5°	205.1	202.4	202.4	198.4	192.4	183.0	183.0	191.1	201.7	256.5	227.8
35°	218.4	219.8	215.1	213.8	206.4	193.1	192.4	197.7	208.4	263.9	229.8
37.5°	234.5	229.8	232.5	232.5	225.1	209.1	205.1	209.8	215.8	271.9	238.5
40°	249.2	245.2	249.2	251.2	246.5	235.1	223.1	226.5	231.8	289.3	251.2
42.5°	261.2	262.5	267.2	275.2	274.6	260.5	245.2	245.2	255.2	308.6	271.9
45°	273.2	273.2	285.2	297.3	304.6	291.9	275.9	275.2	279.2	338.7	306.0
47.5°	291.3	293.3	306.0	324.7	341.4	338.0	314.6	309.3	311.3	366.7	340.0
50°	327.3	328.0	340.7	361.4	378.1	389.5	370.7	352.7	352.7	402.1	386.8
52.5°	377.4	372.8	389.5	400.1	410.8	441.6	438.9	410.2	402.1	452.2	430.9
55°	422.9	421.5	438.9	455.6	473.0	491.7	538.4	513.0	479.0	503.0	483.6
56°	427.5	434.9	464.9	477.0	501.0	517.0	567.1	555.1	512.4	525.7	506.4
57°	418.8	429.5	466.9	507.0	533.1	551.8	585.9	580.5	543.1	534.4	522.4
58°	413.5	414.8	448.2	507.0	572.5	595.9	621.9	614.6	567.1	551.8	531.1
59°	389.5	398.1	432.2	493.0	601.2	639.3	657.3	652.0	591.9	567.8	561.1
60°	358.7	370.1	408.8	474.3	587.2	696.1	704.1	686.1	622.6	581.8	597.2
61°	320.0	328.0	366.1	443.6	567.8	742.2	748.8	730.1	645.3	617.2	642.0
62°	280.6	287.2	324.0	402.8	542.4	764.9	815.0	772.9	678.0	653.3	686.1
63°	213.1	217.1	265.9	348.7	515.0	750.2	889.1	826.3	722.1	690.1	754.9
64°	175.0	178.4	200.4	281.2	455.6	739.5	966.0	903.8	780.2	737.5	806.3
65°	155.6	160.3	171.0	211.1	385.4	732.8	1074.8	1016.1	850.4	807.0	837.0
66°	134.9	134.3	143.0	186.4	303.9	694.7	1120.3	1133.6	943.2	858.4	834.4
67°	111.6	114.2	121.6	155.6	235.8	624.6	1139.0	1231.8	1031.4	872.4	808.3
67.5°	103.5	101.5	108.2	140.3	215.8	569.8	1145.0	1277.9	1055.5	861.7	794.3
68°	95.5	93.5	96.2	128.3	202.4	539.8	1147.0	1302.6	1080.9	866.4	768.2
69°	85.5	84.8	83.5	103.5	163.0	412.8	1158.3	1302.0	1120.9	841.0	716.1
70°	77.5	77.5	75.5	90.9	132.3	323.3	1105.6	1271.2	1122.3	812.3	639.3
71°	66.8	66.8	68.1	82.2	114.2	252.5	1006.7	1220.5	1080.9	754.2	552.5
72°	56.1	57.4	60.8	74.8	102.2	205.7	873.8	1131.6	979.3	679.4	434.2
72.5°	52.8	52.8	56.8	71.5	100.9	181.0	817.0	1066.2	926.5	609.9	355.4
73°	47.4	48.1	53.4	68.1	98.2	156.3	732.8	1004.7	843.0	559.8	301.3
74°	40.1	40.7	47.4	62.8	94.2	120.9	599.9	858.4	720.1	414.8	190.4
75°	32.7	34.7	41.4	57.4	88.2	104.9	471.6	685.4	579.8	295.9	121.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
77.5°	17.4	18.0	25.4	44.8	74.8	86.8	223.1	352.0	259.2	104.9	36.1
80°	10.0	10.0	14.0	30.1	62.8	76.8	118.2	169.0	96.9	23.4	13.4
82.5°	5.3	5.3	8.0	17.4	46.8	67.5	95.5	96.2	44.1	10.0	7.3
85°	2.0	2.0	4.0	10.7	26.7	44.1	82.2	76.8	28.7	4.7	4.7
87.5°	1.3	1.3	2.0	4.7	10.7	34.7	56.1	49.4	14.7	2.0	2.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6	288.6
2.5°	287.2	280.6	275.9	274.6	268.5	262.5	263.2	255.2	257.9	258.5	251.2
5°	273.9	273.2	261.2	249.2	238.5	229.8	218.4	212.4	207.8	203.7	199.7
7.5°	264.5	261.2	242.5	223.8	203.1	181.7	166.3	153.0	138.9	133.6	132.3
10°	255.2	244.5	218.4	192.4	160.3	130.9	103.5	82.8	66.8	60.8	60.1
12.5°	244.5	233.1	198.4	159.7	120.2	80.2	54.1	39.4	34.7	33.4	32.7
15°	241.2	221.1	177.7	130.9	80.2	46.8	32.7	28.7	28.1	27.4	27.4
17.5°	229.8	209.8	157.0	98.2	49.4	31.4	27.4	26.1	25.4	24.7	25.4
20°	224.5	198.4	135.6	68.1	32.7	26.7	24.7	24.0	24.0	23.4	23.4
22.5°	216.4	183.7	114.9	44.8	26.1	24.0	22.7	22.0	22.0	21.4	22.0
25°	208.4	173.7	90.2	30.7	22.7	22.0	20.7	20.0	19.4	19.4	19.4
27.5°	200.4	164.3	68.8	24.7	20.7	19.4	18.7	18.0	16.7	16.7	16.0
30°	196.4	153.0	50.1	21.4	18.7	17.4	16.0	14.7	14.7	13.4	13.4
32.5°	193.1	146.3	35.4	18.7	16.7	15.4	14.0	12.7	12.0	11.4	10.7
35°	189.7	139.6	26.7	17.4	15.4	14.0	12.0	10.7	9.4	8.7	8.7
37.5°	193.7	132.9	21.4	16.0	14.0	12.0	10.7	8.7	8.0	7.3	7.3
40°	202.4	126.9	18.7	14.7	12.7	10.7	8.7	7.3	6.7	6.0	6.0
42.5°	216.4	124.3	16.7	13.4	11.4	9.4	7.3	6.0	5.3	4.7	4.7
45°	241.8	125.6	15.4	12.0	10.0	8.0	6.0	5.3	4.0	4.0	4.0
47.5°	267.2	128.9	14.7	11.4	8.7	6.7	5.3	4.0	3.3	3.3	2.7
50°	302.6	132.9	13.4	10.0	8.0	6.0	4.7	3.3	2.7	2.0	2.0
52.5°	340.0	143.6	12.7	8.7	6.7	4.7	3.3	2.7	2.0	1.3	1.3
55°	381.4	163.0	11.4	8.0	6.0	4.0	2.7	2.0	1.3	0.7	0.7
56°	402.1	171.0	10.7	8.0	5.3	4.0	2.7	1.3	1.3	0.7	0.7
57°	414.2	179.0	10.0	7.3	4.7	3.3	2.0	1.3	0.7	0.7	0.7
58°	436.9	187.7	9.4	6.7	4.7	3.3	2.0	1.3	0.7	0.0	0.0
59°	460.9	209.1	8.7	6.7	4.0	2.7	2.0	1.3	0.7	0.0	0.0
60°	502.3	225.1	8.7	6.0	4.0	2.7	1.3	0.7	0.0	0.0	0.0
61°	532.4	246.5	8.0	5.3	3.3	2.0	1.3	0.7	0.0	0.0	0.0
62°	585.9	268.5	7.3	5.3	3.3	2.0	1.3	0.7	0.0	0.0	0.0
63°	637.3	291.3	6.7	4.7	2.7	2.0	0.7	0.0	0.0	0.0	0.0
64°	670.0	293.3	6.7	4.7	2.7	1.3	0.7	0.0	0.0	0.0	0.0
65°	678.7	280.6	6.0	4.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0
66°	658.7	253.8	5.3	3.3	2.0	1.3	0.7	0.0	0.0	0.0	0.0
67°	633.9	229.8	4.7	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
67.5°	611.2	214.4	4.7	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
68°	589.2	203.1	4.7	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
69°	546.4	169.0	4.0	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
70°	469.6	130.3	4.0	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0
71°	395.5	94.9	3.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
72°	283.2	62.8	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	232.5	51.4	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
73°	193.7	40.7	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
74°	120.2	25.4	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	80.2	16.7	2.0	0.7	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°
77.5°	20.7	6.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	9.4	3.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.7	0.7	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)