

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: P681294

Luminaire Tested: **CCP-SA-1-AMB-U-SL2-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P681294
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-SL2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ SL2 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

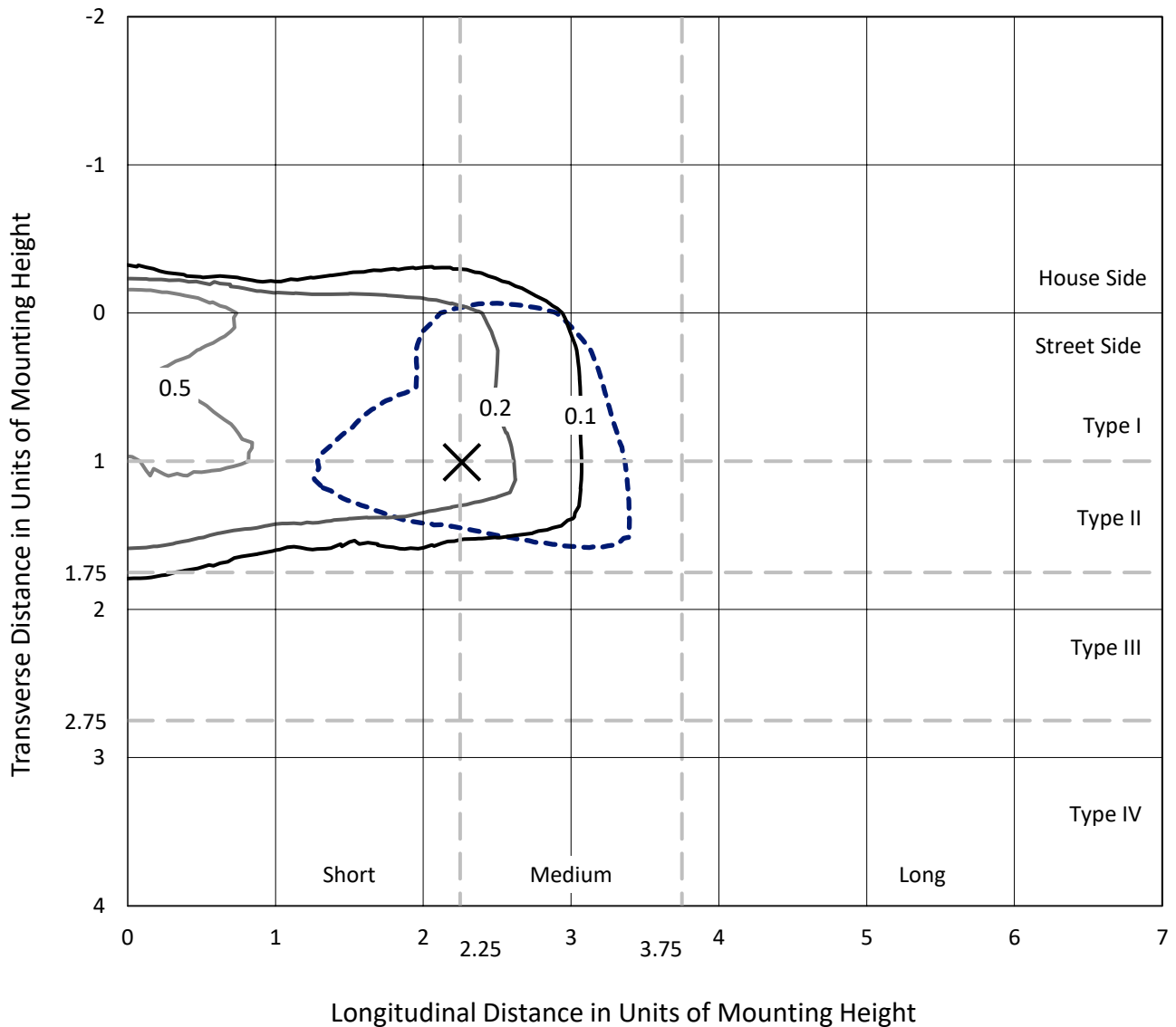
Lumens per Lamp: N/A
Luminaire Lumens: 940.6 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

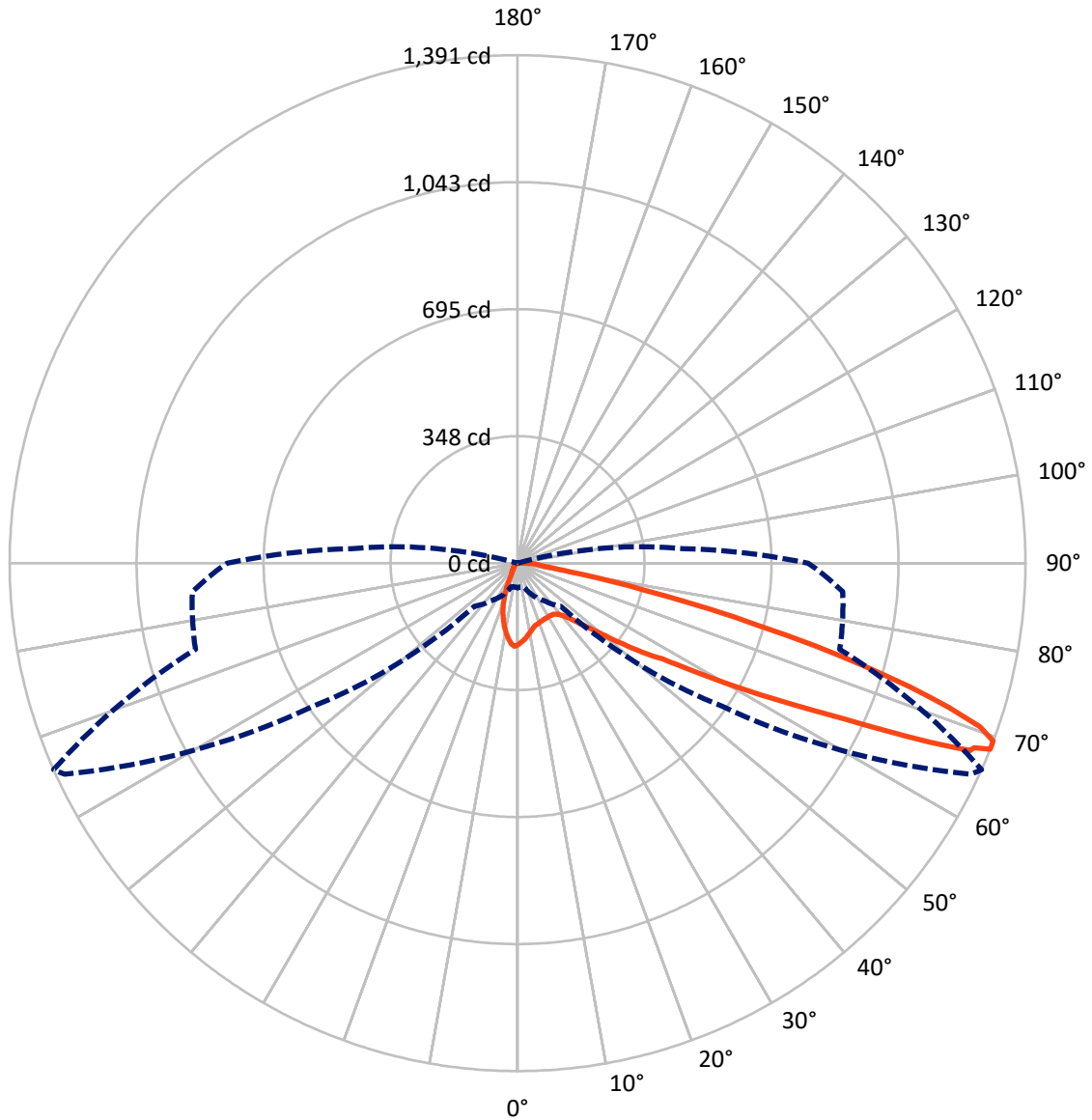
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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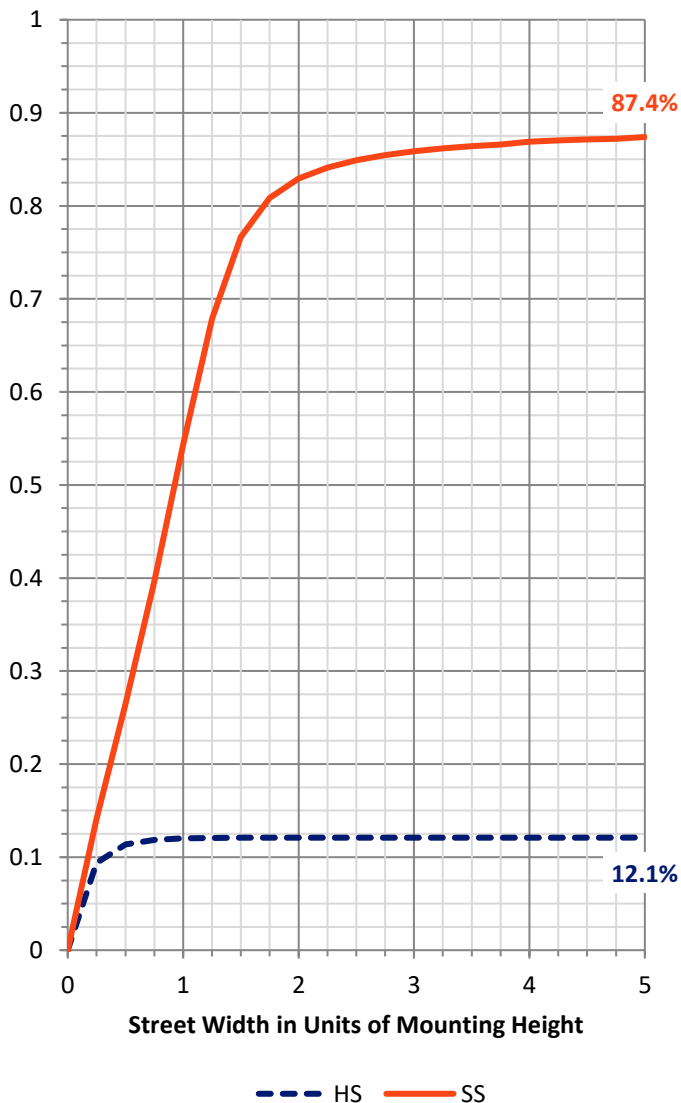
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	114.9	0.0	114.9
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	825.7	0.0	825.7
	% Fixture	87.8	0.0	87.8
Total	Lumens	940.6	0.0	940.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	1.9
10°-20°	38.0	4.0
20°-30°	52.6	5.6
30°-40°	77.0	8.2
40°-50°	127.3	13.5
50°-60°	215.2	22.9
60°-70°	265.0	28.2
70°-80°	133.5	14.2
80°-90°	13.8	1.5
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°	940.6	100.0
0°-180°	940.6	100.0



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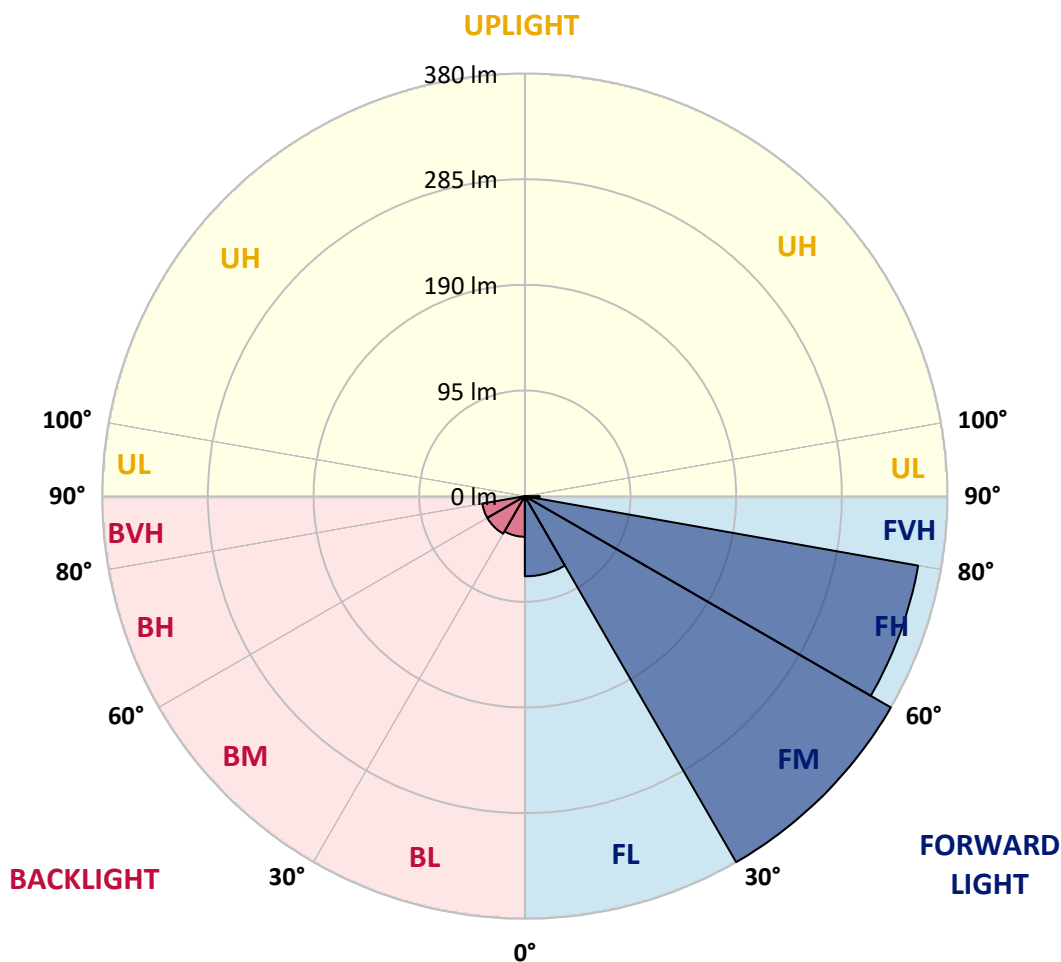
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.2	7.7			
FM (30°-60°)	380.5	40.5			
FH (60°-80°)	359.6	38.2			G0/660
FVH (80°-90°)	13.5	1.4			G1/100
BL (0°-30°)	36.6	3.9	B0/110		
BM (30°-60°)	39.0	4.1	B0/220		
BH (60°-80°)	38.9	4.1	B0/110		G0/110
BVH (80°-90°)	0.3	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1
2.5°	205.1	205.7	206.4	209.1	209.1	211.8	212.4	214.4	215.8	217.8	219.8
5°	185.0	188.4	188.4	188.4	193.7	197.1	202.4	209.7	209.1	212.4	219.1
7.5°	170.3	172.3	173.7	175.7	179.7	185.7	191.7	197.7	199.7	205.1	215.1
10°	160.3	159.6	161.0	165.0	168.3	174.3	179.7	189.7	191.7	203.1	215.8
12.5°	151.6	151.0	152.3	154.3	158.3	165.7	171.7	183.0	184.4	200.4	214.4
15°	143.6	145.0	146.3	147.6	152.3	158.3	165.0	176.3	177.7	194.4	213.8
17.5°	143.6	142.3	142.9	144.3	147.0	154.3	161.7	173.7	175.7	193.7	219.8
20°	145.0	145.6	144.3	142.9	145.6	149.6	157.0	172.3	173.0	191.7	220.4
22.5°	149.6	151.0	148.3	146.3	143.6	147.0	157.0	169.7	171.7	189.0	221.1
25°	159.6	157.6	157.6	155.0	147.0	146.3	156.3	169.0	169.7	189.7	223.8
27.5°	170.3	172.3	167.7	164.3	157.0	149.0	155.6	166.3	169.7	186.4	225.8
30°	187.0	187.0	187.7	183.0	169.0	155.0	157.6	167.7	169.0	184.4	229.1
32.5°	212.4	207.7	209.7	200.4	186.4	167.0	160.3	168.3	169.7	183.7	229.8
35°	231.1	228.4	230.5	231.8	211.1	184.4	168.3	171.0	171.7	184.4	229.8
37.5°	248.5	249.2	253.8	257.2	235.1	207.1	181.0	175.7	177.0	187.0	230.5
40°	265.9	267.2	276.5	287.9	272.5	234.5	198.4	187.7	187.7	193.0	235.1
42.5°	290.6	288.6	304.6	311.3	305.9	268.5	222.4	205.7	205.1	207.7	245.1
45°	311.9	318.0	332.7	350.7	344.7	311.9	258.5	231.8	231.8	225.8	267.2
47.5°	369.4	363.4	370.7	390.1	397.4	354.0	295.2	267.9	265.9	256.5	297.9
50°	408.8	411.5	408.8	426.8	446.9	417.5	342.0	316.6	312.6	302.6	335.3
52.5°	432.2	425.5	420.2	441.5	498.3	493.0	400.8	374.7	376.7	349.4	384.1
55°	387.4	382.1	385.4	414.1	501.0	587.2	502.3	448.9	448.2	420.8	452.2
56°	358.0	358.7	352.7	392.1	492.3	621.9	559.1	483.0	474.9	447.5	482.3
57°	326.6	321.3	323.3	362.7	475.6	644.6	605.9	529.0	517.7	478.3	512.3
58°	289.2	283.9	282.6	319.3	452.2	649.9	663.3	579.8	567.1	509.7	540.4
59°	243.1	243.1	245.1	273.9	410.8	652.0	743.5	630.6	623.9	535.7	566.4
60°	211.1	214.4	205.1	231.8	355.4	633.9	820.3	702.0	686.0	563.1	596.5
61°	191.7	186.4	178.4	198.4	293.2	600.5	859.7	768.2	754.2	600.5	627.2
62°	162.3	161.7	158.3	173.7	230.5	553.1	879.1	833.0	823.6	626.6	662.0
63°	138.9	137.6	138.9	156.3	191.0	498.3	906.5	913.1	900.4	665.3	692.0
64°	120.2	118.9	119.6	139.6	167.7	413.5	903.1	1012.7	988.6	701.4	734.1
65°	102.2	102.9	105.5	124.9	146.3	309.3	888.4	1150.9	1101.5	760.8	771.5
66°	88.2	88.2	89.5	117.6	134.9	238.5	843.7	1257.1	1229.8	815.6	823.0
67°	77.5	76.1	76.8	108.2	127.6	196.4	782.9	1325.9	1340.6	864.4	863.7
67.5°	74.1	71.5	71.5	103.5	127.6	182.4	734.1	1358.0	1348.0	893.8	877.7
68°	68.1	65.5	66.8	96.9	124.9	167.0	684.0	1367.4	1390.7	913.1	893.8
69°	58.8	57.4	58.1	88.2	121.6	142.9	566.4	1372.0	1390.1	943.2	885.7
70°	49.4	48.8	51.4	78.2	115.6	134.3	440.9	1319.9	1342.6	940.5	869.0
71°	40.1	39.4	43.4	68.8	112.9	129.6	332.7	1237.8	1245.8	911.1	821.6
72°	31.4	31.4	36.7	60.8	110.9	125.6	244.5	1092.8	1126.2	869.0	733.4
72.5°	28.1	28.1	33.4	56.1	108.9	123.6	214.4	1039.4	1052.7	818.3	686.7
73°	24.0	24.7	30.1	52.8	106.9	122.2	183.0	953.9	986.6	772.2	629.2
74°	18.0	18.0	22.7	44.1	101.5	119.6	149.0	823.0	842.3	676.0	499.0
75°	14.7	14.0	16.7	36.7	93.5	115.6	128.9	661.3	676.7	528.4	394.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
77.5°	8.7	8.7	10.0	18.0	62.1	110.9	107.5	332.0	350.7	225.1	119.6
80°	5.3	5.3	6.7	10.7	30.1	111.6	96.2	143.6	141.6	54.8	32.7
82.5°	2.7	2.7	4.0	8.0	14.7	84.2	86.8	76.8	72.8	16.0	14.7
85°	1.3	1.3	2.0	5.3	8.0	40.7	76.1	61.5	57.4	7.3	9.4
87.5°	0.7	0.7	0.7	2.7	4.0	20.0	45.4	41.4	38.1	2.7	5.3
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°	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1
2.5°	223.1	223.8	227.1	228.4	227.8	225.8	222.4	221.8	218.4	217.1	215.8
5°	223.8	224.4	225.1	221.1	213.1	205.7	197.7	191.0	186.4	182.4	181.7
7.5°	222.4	225.1	219.1	205.7	191.7	178.4	162.3	154.3	147.0	140.9	140.3
10°	220.4	223.1	211.8	189.7	165.7	146.3	126.9	110.2	96.2	90.2	91.5
12.5°	223.1	225.8	202.4	171.7	140.9	110.9	82.2	60.8	44.8	40.1	41.4
15°	226.4	222.4	191.7	152.3	112.9	71.5	40.7	30.7	28.1	27.4	27.4
17.5°	226.4	223.1	180.4	131.6	79.5	38.7	27.4	26.1	24.7	24.7	24.7
20°	231.8	216.4	168.3	109.5	49.4	26.7	24.0	23.4	22.7	22.0	22.0
22.5°	230.5	214.4	154.3	84.2	30.1	23.4	21.4	20.0	20.0	19.4	19.4
25°	229.1	207.1	140.9	60.1	23.4	20.7	18.7	17.4	16.7	16.0	16.0
27.5°	229.1	203.7	125.6	37.4	20.7	18.7	16.7	14.7	13.4	12.7	12.7
30°	223.8	197.1	109.5	25.4	18.7	16.7	14.0	12.0	10.7	10.0	10.0
32.5°	220.4	192.4	92.2	20.7	16.7	14.0	12.0	10.0	8.7	8.0	8.0
35°	216.4	183.0	74.1	18.7	15.4	12.7	10.0	8.0	7.3	6.7	6.7
37.5°	213.8	175.7	55.4	16.7	14.0	10.7	8.7	6.7	6.0	6.0	5.3
40°	214.4	171.0	38.1	15.4	12.7	9.4	7.3	6.0	4.7	4.7	4.7
42.5°	219.8	168.3	26.7	14.0	10.7	8.0	6.0	4.7	4.0	3.3	3.3
45°	229.1	169.7	20.7	13.4	9.4	6.7	5.3	4.0	3.3	2.7	2.7
47.5°	251.2	179.7	19.4	12.0	8.0	6.0	4.0	3.3	2.7	2.0	2.0
50°	277.9	191.7	18.0	10.7	6.7	4.7	3.3	2.7	2.0	1.3	1.3
52.5°	318.6	208.4	17.4	9.4	6.0	4.0	2.7	2.0	1.3	0.7	0.7
55°	378.7	239.8	15.4	8.0	4.7	3.3	2.0	1.3	0.7	0.7	0.7
56°	402.1	256.5	14.7	7.3	4.7	3.3	2.0	1.3	0.7	0.7	0.0
57°	430.8	274.5	14.7	7.3	4.7	2.7	2.0	1.3	0.7	0.7	0.0
58°	450.2	287.9	13.4	6.7	4.0	2.7	1.3	0.7	0.7	0.0	0.0
59°	480.9	307.3	12.7	6.0	4.0	2.7	1.3	0.7	0.0	0.0	0.0
60°	509.7	326.0	12.0	5.3	3.3	2.0	1.3	0.7	0.0	0.0	0.0
61°	540.4	342.7	10.7	5.3	3.3	2.0	1.3	0.7	0.0	0.0	0.0
62°	578.5	364.0	10.0	4.7	2.7	1.3	0.7	0.7	0.0	0.0	0.0
63°	618.6	390.8	9.4	4.0	2.7	1.3	0.7	0.0	0.0	0.0	0.0
64°	668.6	416.8	8.7	4.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0
65°	700.7	437.5	8.0	3.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0
66°	744.8	453.6	7.3	3.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0
67°	783.5	464.2	6.7	2.7	1.3	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	794.2	462.2	6.0	2.7	1.3	0.7	0.7	0.0	0.0	0.0	0.0
68°	795.6	455.6	6.0	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
69°	782.9	430.8	5.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0
70°	750.8	392.1	4.7	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0
71°	692.0	347.4	4.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
72°	611.9	295.9	4.0	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0
72.5°	565.1	263.2	4.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
73°	521.0	229.8	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
74°	414.1	155.6	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	302.6	98.2	2.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0



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	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	85.5	21.4	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	23.4	7.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.0	3.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.7	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.7	0.7	0.7	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)