

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: P679854

Luminaire Tested: **CCP-SA-1-AMB-U-T1**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P679854
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-T1
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ T1 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

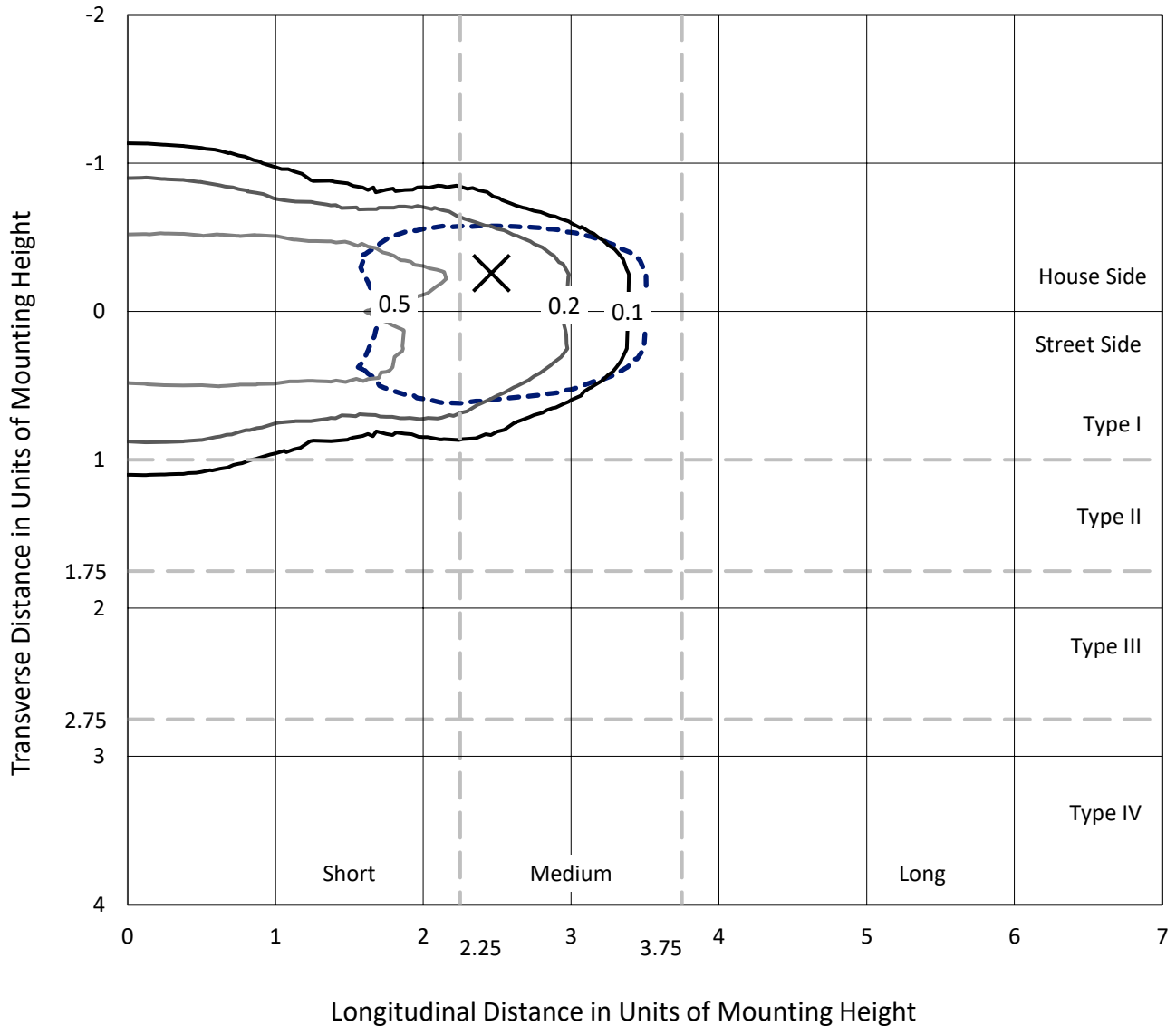
Lumens per Lamp: N/A
Luminaire Lumens: 1159.9 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

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

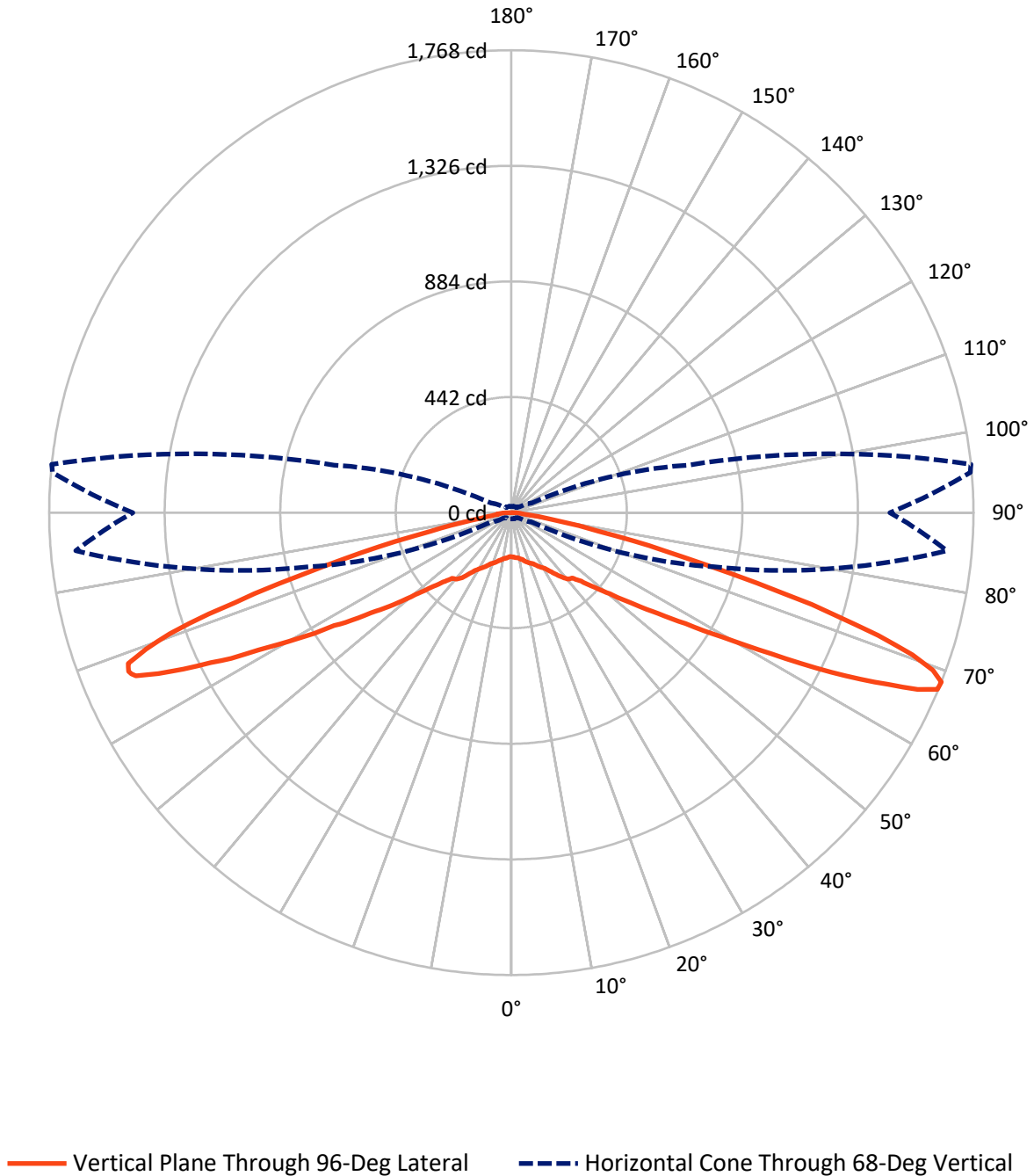
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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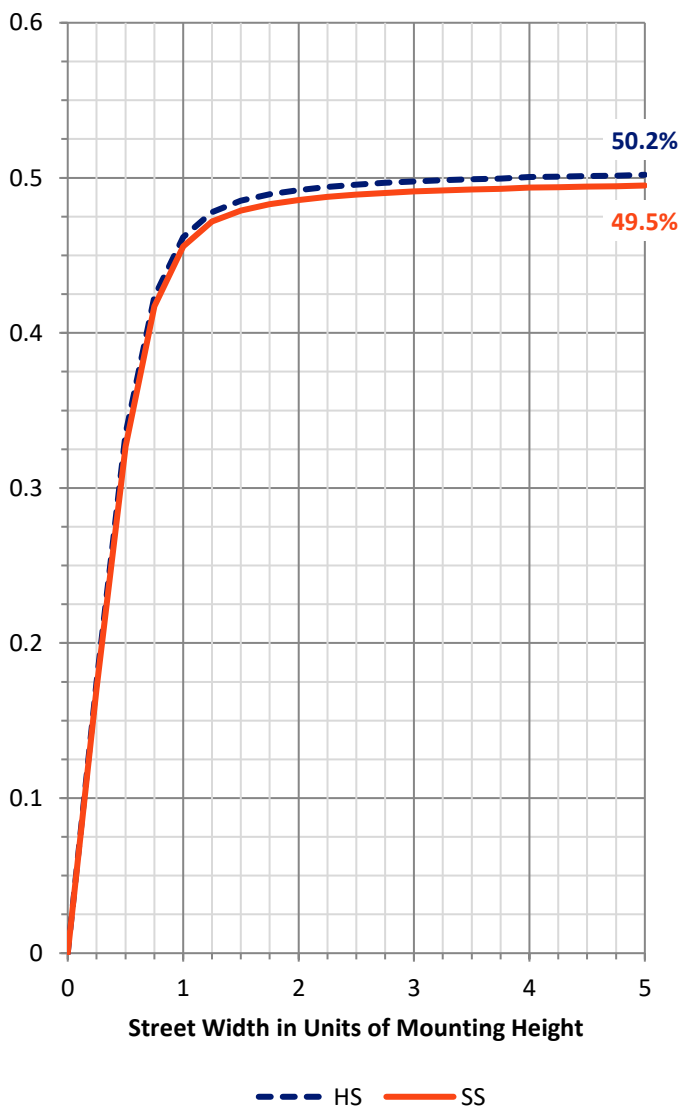
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.5	0.0	587.5
	% Fixture	50.6	0.0	50.6
Street Side	Lumens	572.5	0.0	572.5
	% Fixture	49.4	0.0	49.4
Total	Lumens	1159.9	0.0	1159.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	1.5
10°-20°	57.0	4.9
20°-30°	98.2	8.5
30°-40°	139.8	12.1
40°-50°	180.8	15.6
50°-60°	226.8	19.6
60°-70°	289.9	25.0
70°-80°	135.8	11.7
80°-90°	14.3	1.2
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°	1159.9	100.0
0°-180°	1159.9	100.0



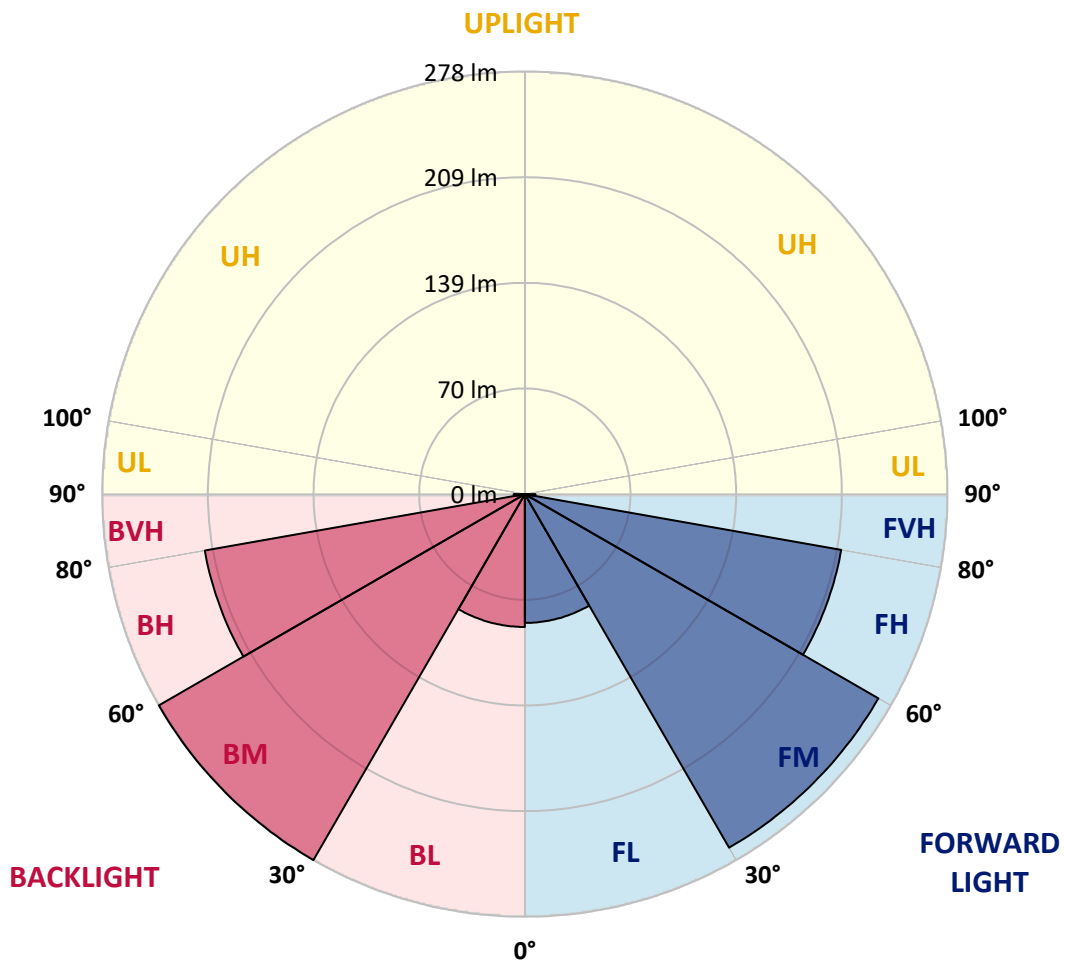
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.8	7.3			
FM (30°-60°)	269.0	23.2			
FH (60°-80°)	211.6	18.2			G0/660
FVH (80°-90°)	7.0	0.6			G0/10
BL (0°-30°)	87.5	7.5	B0/110		
BM (30°-60°)	278.5	24.0	B1/1000		
BH (60°-80°)	214.1	18.5	B1/500		G1/500
BVH (80°-90°)	7.4	0.6			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	170.3	170.3	171.0	171.0	171.7	171.7	170.3	170.3	169.7	167.7	171.0
5°	177.7	175.7	177.0	176.3	177.0	175.0	173.0	172.3	172.3	172.3	171.0
7.5°	185.0	180.4	182.4	181.0	183.0	181.7	179.7	177.7	175.7	175.7	173.7
10°	187.0	186.4	189.7	190.4	189.7	189.7	185.7	182.4	181.0	178.4	178.4
12.5°	191.0	189.7	192.4	195.7	197.7	199.1	195.7	193.0	187.0	183.7	183.0
15°	185.0	185.7	192.4	197.7	206.4	208.4	209.1	200.4	195.1	189.0	189.0
17.5°	177.0	179.7	185.7	196.4	209.1	217.1	218.4	217.1	203.7	197.1	195.7
20°	170.3	171.0	175.0	191.0	205.7	224.4	229.8	227.1	215.1	203.1	201.7
22.5°	164.3	164.3	172.3	186.4	201.7	223.1	239.1	239.1	223.8	209.1	206.4
25°	153.6	157.6	165.0	177.0	198.4	219.1	248.5	255.8	235.8	221.8	221.8
27.5°	149.0	149.6	155.6	170.3	190.4	219.8	255.2	267.2	248.5	233.1	229.8
30°	141.6	141.6	148.3	161.7	183.7	215.8	258.5	282.6	265.9	244.5	239.8
32.5°	133.6	132.3	141.6	155.0	176.3	211.1	263.2	299.9	287.2	257.8	253.8
35°	125.6	126.9	132.3	145.6	168.3	205.7	265.9	320.0	316.0	278.6	275.2
37.5°	119.6	120.2	126.2	140.9	159.0	198.4	265.2	340.7	346.7	307.3	298.6
40°	110.9	112.2	118.9	134.3	154.3	191.0	261.9	356.0	367.4	325.3	321.3
42.5°	100.2	102.9	110.2	126.9	147.0	181.7	253.2	374.1	400.8	331.3	326.0
45°	89.5	89.5	98.2	114.9	139.6	174.3	241.1	382.1	453.6	362.7	356.7
47.5°	74.8	76.2	82.8	100.9	124.2	160.3	226.4	392.8	505.7	408.1	396.1
50°	60.1	60.8	67.5	83.5	104.9	140.9	211.8	394.8	587.2	471.6	451.6
52.5°	47.4	48.1	52.8	64.8	84.2	116.9	189.7	390.1	669.3	561.1	528.4
55°	37.4	38.7	42.1	50.8	66.1	93.5	159.6	368.7	768.2	647.3	621.9
56°	35.4	36.1	38.7	45.4	58.8	84.2	144.3	354.0	810.9	699.4	663.3
57°	34.7	34.1	36.1	40.7	52.8	76.2	129.6	330.0	851.0	750.8	712.7
58°	32.1	32.1	34.1	38.1	46.1	67.5	116.2	308.6	891.1	793.6	759.5
59°	31.4	31.4	32.7	36.1	42.1	60.8	102.9	281.9	931.2	878.4	806.3
60°	30.1	30.7	30.7	34.1	38.7	53.4	91.5	255.8	966.6	945.2	872.4
61°	29.4	30.1	30.1	32.1	36.1	47.4	82.2	229.1	995.3	1026.0	923.2
62°	29.4	29.4	29.4	30.7	34.1	42.8	72.1	200.4	1012.0	1110.2	1000.0
63°	28.1	28.1	28.7	30.1	32.1	38.7	63.5	172.3	1024.0	1228.4	1073.5
64°	27.4	28.1	28.1	28.7	30.7	36.1	55.4	148.3	1025.4	1314.6	1141.6
65°	26.7	26.7	27.4	28.1	29.4	33.4	49.4	129.6	1010.7	1431.5	1231.8
66°	26.1	26.1	26.1	26.7	28.1	30.7	44.1	114.2	970.6	1541.0	1315.3
67°	25.4	24.7	25.4	26.7	27.4	28.7	40.7	98.2	901.1	1639.9	1382.7
67.5°	24.7	24.7	24.7	26.1	26.7	28.1	38.7	89.5	861.0	1658.6	1419.5
68°	24.0	24.0	24.0	25.4	26.1	27.4	36.7	85.5	800.9	1672.6	1448.2
69°	22.7	22.7	23.4	24.0	24.7	26.1	34.1	75.5	692.7	1673.3	1462.9
70°	22.0	21.4	22.0	23.4	24.0	25.4	31.4	66.8	585.2	1592.5	1423.5
71°	21.4	20.7	21.4	22.0	22.7	24.0	28.7	59.5	483.6	1486.3	1366.7
72°	20.0	20.0	20.0	20.7	22.0	23.4	26.1	52.8	391.4	1313.3	1251.8
72.5°	19.4	19.4	19.4	20.0	20.7	22.7	25.4	48.8	340.0	1195.7	1159.6
73°	19.4	18.7	18.7	20.0	20.0	22.0	24.7	46.1	309.3	1111.5	1088.8
74°	18.0	18.0	18.0	18.7	19.4	20.0	22.7	40.1	246.5	892.4	895.8
75°	16.7	16.7	16.7	17.4	18.0	19.4	21.4	34.7	185.7	720.8	709.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
77.5°	14.0	14.0	14.0	14.7	15.4	16.0	17.4	23.4	104.2	341.3	320.0
80°	10.7	11.4	11.4	12.0	12.0	12.0	14.0	16.7	48.1	122.9	118.9
82.5°	8.7	9.4	8.7	9.4	9.4	8.7	10.0	11.4	21.4	54.8	91.5
85°	6.0	6.0	4.7	5.3	6.0	5.3	6.7	7.3	11.4	60.1	101.5
87.5°	2.7	2.7	2.0	2.0	2.7	2.7	3.3	2.7	5.3	30.1	36.7
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):

	95°	96°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	169.7	170.3	171.0	171.0	173.0	172.3	174.3	172.3	174.3	172.3	171.7
5°	172.3	173.0	174.3	173.0	176.3	177.7	177.7	179.7	179.0	178.4	180.4
7.5°	175.0	173.7	177.7	181.7	183.7	184.4	187.7	189.7	188.4	188.4	189.0
10°	180.4	179.7	181.0	185.7	191.7	194.4	195.7	198.4	197.7	197.7	197.7
12.5°	184.4	183.7	188.4	193.7	201.7	204.4	207.7	205.1	200.4	198.4	198.4
15°	190.4	192.4	198.4	207.7	213.1	215.1	211.8	203.1	200.4	193.7	196.4
17.5°	200.4	199.7	206.4	221.1	229.1	225.1	213.8	201.7	193.0	188.4	187.7
20°	205.1	206.4	217.8	234.5	236.5	229.1	215.8	198.4	187.0	180.4	180.4
22.5°	209.1	211.8	228.5	247.8	247.8	229.8	210.4	191.0	181.0	174.3	176.3
25°	221.1	223.8	239.8	260.5	257.8	225.8	207.1	187.7	173.7	171.0	167.7
27.5°	232.5	235.8	253.8	275.9	260.5	225.1	201.7	179.7	166.3	161.7	160.3
30°	243.1	245.8	269.2	289.2	267.2	221.1	193.0	173.0	161.0	156.3	155.0
32.5°	259.8	264.5	289.9	309.9	267.9	219.1	186.4	167.0	154.3	146.3	147.6
35°	282.6	287.2	322.6	334.0	270.5	212.4	179.0	157.6	144.3	138.9	138.3
37.5°	307.3	312.0	348.7	351.4	273.2	209.1	172.3	150.3	136.9	130.3	128.3
40°	330.0	334.7	384.8	376.1	269.9	201.7	163.0	142.3	126.9	120.2	118.2
42.5°	336.0	341.3	418.2	399.5	263.9	188.4	152.3	130.3	113.6	107.5	105.5
45°	370.1	374.1	475.6	412.8	251.2	179.7	141.6	118.2	102.2	96.2	93.5
47.5°	416.8	424.2	535.7	419.5	237.8	165.0	126.9	104.2	90.2	84.2	83.5
50°	472.9	488.3	615.9	411.5	215.1	147.0	110.2	90.2	75.5	70.8	69.5
52.5°	565.8	571.8	694.0	398.1	191.0	124.9	92.9	73.5	61.5	55.4	54.8
55°	664.0	681.3	772.9	366.1	161.7	102.2	75.5	57.4	48.1	44.8	44.1
56°	708.1	736.1	814.9	344.7	147.6	94.9	67.5	51.4	44.1	41.4	40.7
57°	758.2	789.6	844.3	327.3	136.3	86.2	59.5	47.4	40.7	38.1	38.1
58°	818.3	864.4	875.1	300.6	122.2	76.8	54.8	43.4	37.4	35.4	34.7
59°	897.8	936.5	899.1	278.6	110.2	69.5	48.8	39.4	34.1	32.7	33.4
60°	982.6	1032.0	929.2	248.5	97.5	62.1	43.4	36.1	32.1	31.4	31.4
61°	1079.5	1130.2	935.9	222.4	89.5	55.4	40.1	33.4	31.4	30.7	30.7
62°	1183.0	1249.8	946.5	194.4	79.5	48.8	36.1	31.4	30.1	29.4	29.4
63°	1287.2	1366.7	961.9	172.3	70.1	43.4	34.1	30.7	28.7	28.1	28.1
64°	1414.8	1480.9	939.9	149.6	62.1	39.4	32.1	28.7	28.1	27.4	27.4
65°	1522.3	1583.8	919.8	130.9	55.4	36.1	29.4	28.1	27.4	26.7	26.7
66°	1631.2	1696.0	864.4	114.2	49.4	33.4	28.7	27.4	26.1	26.1	26.1
67°	1722.1	1764.8	780.9	101.5	44.1	30.7	27.4	26.1	25.4	25.4	25.4
67.5°	1745.5	1766.8	755.5	95.5	42.1	30.1	27.4	26.1	24.7	24.7	25.4
68°	1762.2	1768.2	702.1	87.5	39.4	28.7	26.7	25.4	24.7	24.7	24.7
69°	1719.4	1721.4	610.5	77.5	36.7	26.7	25.4	24.7	24.0	23.4	24.0
70°	1660.6	1627.2	505.0	66.8	32.7	26.1	24.0	24.0	23.4	22.7	22.7
71°	1523.0	1479.6	423.5	58.1	29.4	24.7	23.4	22.7	22.0	22.0	22.0
72°	1334.6	1291.2	337.3	48.8	26.7	23.4	22.0	22.0	21.4	21.4	21.4
72.5°	1237.1	1201.7	294.6	46.8	26.1	22.7	21.4	21.4	20.7	20.7	20.7
73°	1148.3	1083.5	268.5	43.4	25.4	22.0	21.4	20.7	20.0	20.0	20.0
74°	910.5	871.1	213.1	38.1	23.4	21.4	20.7	20.0	19.4	19.4	19.4
75°	700.7	676.7	165.0	34.1	22.0	20.0	19.4	18.7	18.0	18.0	18.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	345.3	341.3	94.2	25.4	18.0	16.7	16.7	16.7	16.0	15.4	16.0
80°	142.9	147.6	54.1	18.7	14.7	13.4	13.4	14.0	13.4	12.7	12.7
82.5°	50.8	48.8	27.4	13.4	10.7	10.0	10.7	10.7	10.0	10.0	9.4
85°	44.1	30.7	14.0	8.7	7.3	6.7	7.3	7.3	6.0	8.0	7.3
87.5°	23.4	17.4	6.7	3.3	4.0	3.3	3.3	3.3	3.3	4.0	4.0
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)