

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: P677836

Luminaire Tested: **CCW-SA-1-AMB-U-SL3**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P677836
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-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
SL3 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

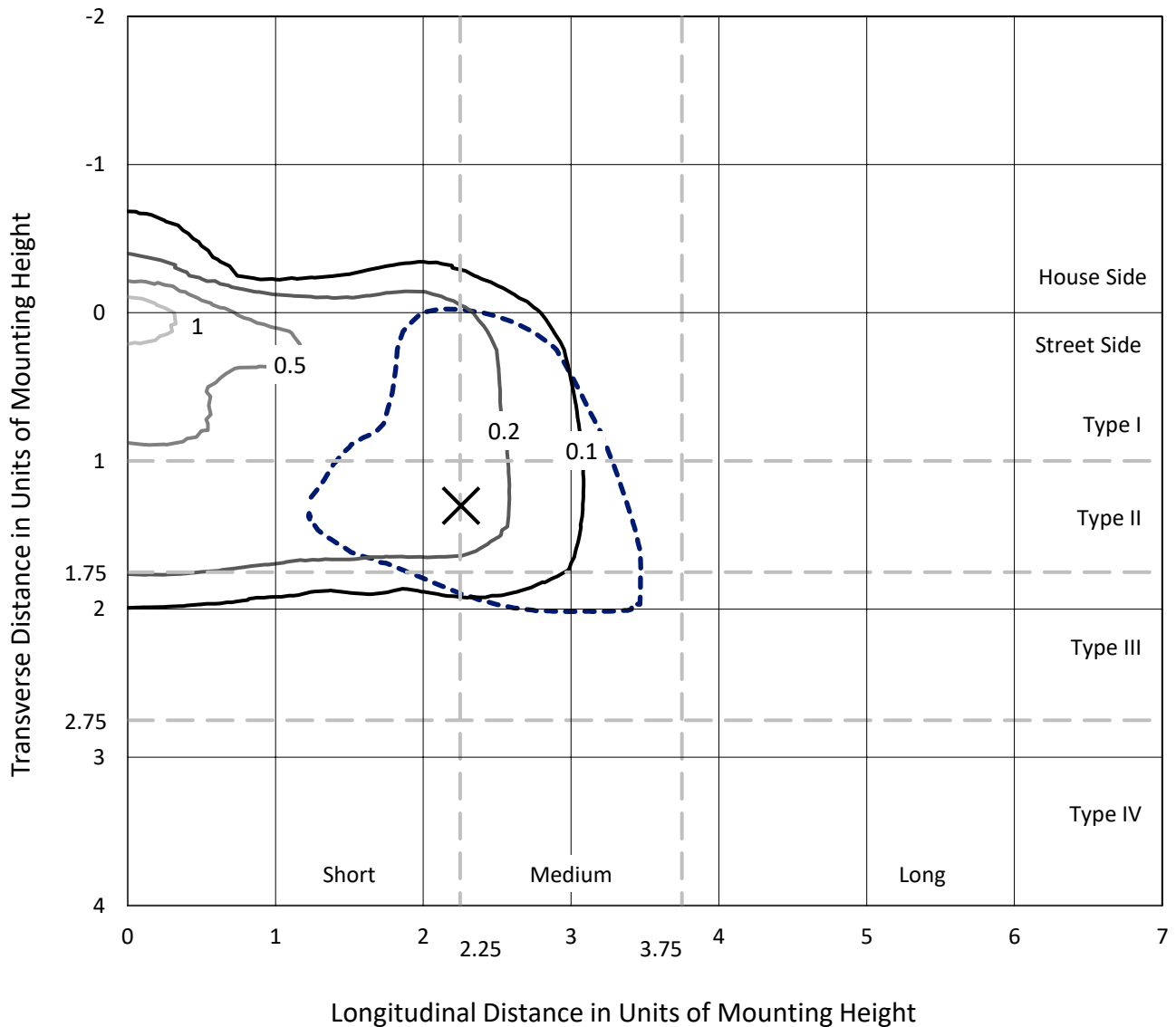
Lumens per Lamp: N/A
Luminaire Lumens: 1176.8 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 22.6
Input Voltage (V): 120
Input Current (A_{in}): 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

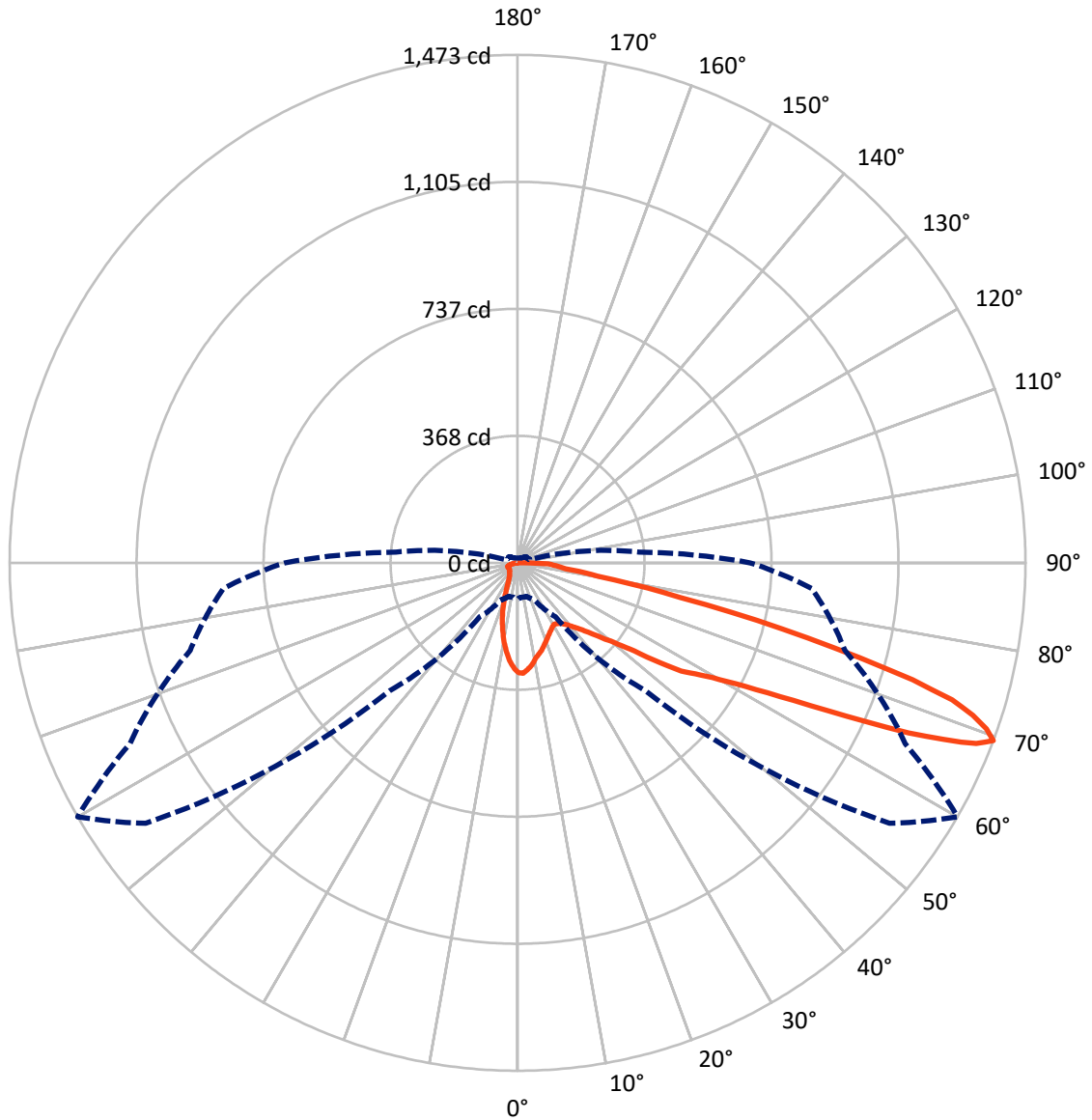
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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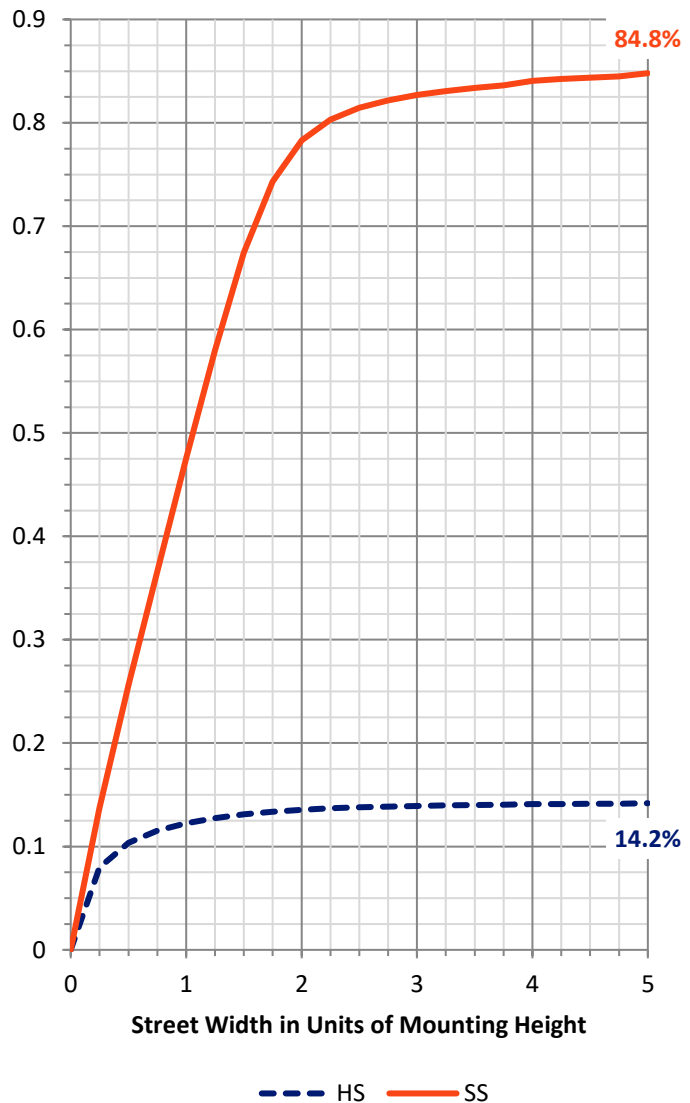
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	168.7	0.0	168.7
	% Fixture	14.3	0.0	14.3
Street Side	Lumens	1008.1	0.0	1008.1
	% Fixture	85.7	0.0	85.7
Total	Lumens	1176.8	0.0	1176.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	2.2
10°-20°	55.0	4.7
20°-30°	69.6	5.9
30°-40°	91.7	7.8
40°-50°	140.3	11.9
50°-60°	242.1	20.6
60°-70°	347.1	29.5
70°-80°	177.2	15.1
80°-90°	27.5	2.3
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°	1176.8	100.0
0°-180°	1176.8	100.0

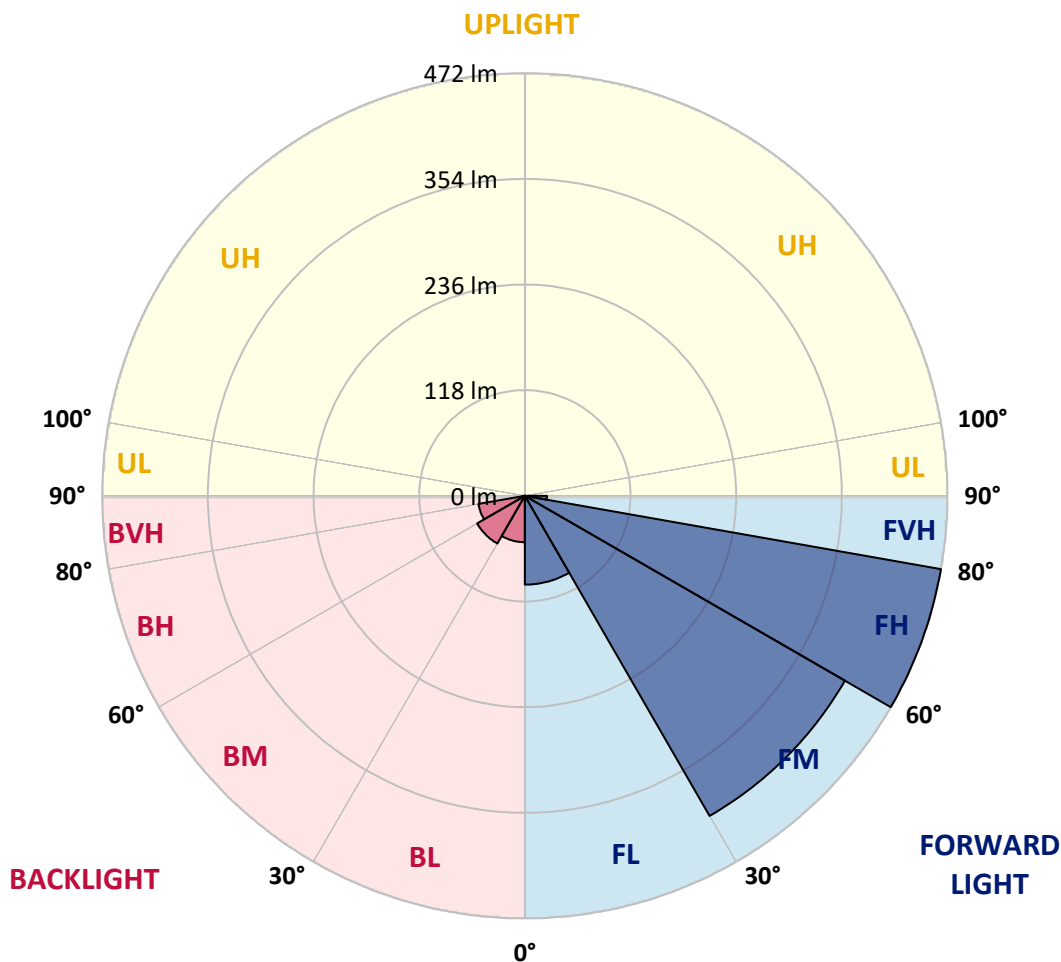


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.1	8.4			
FM (30°-60°)	412.6	35.1			
FH (60°-80°)	471.7	40.1			G0/660
FVH (80°-90°)	24.6	2.1			G1/100
BL (0°-30°)	51.8	4.4	B0/110		
BM (30°-60°)	61.5	5.2	B0/220		
BH (60°-80°)	52.6	4.5	B0/110		G0/110
BVH (80°-90°)	2.9	0.2			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7
2.5°	320.7	320.7	324.0	323.3	321.3	324.7	320.0	320.7	322.7	320.0	316.6
5°	304.0	306.6	308.0	304.0	305.3	309.3	313.3	310.0	314.6	310.0	311.3
7.5°	279.2	281.9	285.9	285.9	285.2	289.9	296.6	299.3	301.3	304.6	300.6
10°	249.8	253.2	253.9	259.9	267.2	275.9	280.6	283.2	285.2	293.3	290.6
12.5°	233.8	231.8	235.1	238.5	246.5	259.2	266.5	271.9	277.2	286.6	281.9
15°	212.4	215.1	217.1	224.5	230.5	241.8	254.5	262.5	265.9	280.6	278.6
17.5°	203.1	201.1	202.4	207.1	217.1	231.1	245.8	250.5	260.5	273.2	269.2
20°	197.7	197.1	199.1	199.1	207.1	215.8	233.1	239.2	252.5	269.9	266.5
22.5°	194.4	196.4	196.4	196.4	198.4	205.8	221.1	229.1	242.5	269.2	261.9
25°	197.7	198.4	196.4	193.1	191.7	197.7	209.8	220.5	235.1	269.2	255.9
27.5°	204.4	201.7	202.4	198.4	192.4	191.7	205.1	213.1	227.8	273.2	249.8
30°	209.8	211.1	207.8	205.1	195.7	193.1	197.7	207.1	225.1	273.2	247.2
32.5°	219.1	221.1	219.1	215.8	204.4	197.1	201.1	209.8	226.5	280.6	247.2
35°	230.5	230.5	229.1	228.5	219.1	207.8	209.1	215.8	229.1	289.3	249.8
37.5°	247.8	247.2	247.8	243.8	236.5	222.5	222.5	226.5	237.8	299.9	257.2
40°	257.2	260.5	265.2	263.2	259.2	243.8	237.2	241.8	251.2	315.3	268.5
42.5°	272.6	275.2	281.9	286.6	281.2	267.2	258.5	261.2	269.9	338.0	291.3
45°	285.9	285.9	298.6	309.3	316.0	302.6	283.9	286.6	293.3	363.4	323.3
47.5°	304.0	308.6	320.7	340.0	355.4	342.7	322.0	320.7	324.7	392.8	360.1
50°	340.0	342.0	354.7	368.1	383.5	395.5	378.1	362.1	358.7	437.6	403.5
52.5°	389.5	392.8	402.2	411.5	420.9	441.6	455.6	424.2	416.2	479.0	450.9
55°	426.9	428.9	442.9	457.6	470.3	499.0	551.1	525.7	487.0	515.7	492.3
56°	444.9	447.6	462.3	477.0	497.7	523.7	584.5	568.5	517.1	535.1	515.7
57°	444.2	448.9	480.3	505.7	529.7	558.5	608.6	593.9	547.8	561.8	546.5
58°	432.2	442.9	477.6	524.4	559.8	599.2	634.0	622.6	576.5	585.9	571.8
59°	418.2	421.5	460.9	519.7	601.2	646.7	674.0	656.0	597.2	602.6	606.6
60°	391.5	402.2	444.2	500.4	611.2	698.8	725.5	698.8	628.0	633.3	648.7
61°	347.4	356.1	404.2	476.3	601.9	758.2	777.6	749.5	667.4	678.1	704.8
62°	322.0	321.3	357.4	445.6	583.9	805.6	858.4	816.3	712.1	734.2	752.2
63°	267.9	269.9	310.6	393.5	559.1	815.7	965.3	894.5	763.6	786.3	809.7
64°	207.1	206.4	242.5	331.3	518.4	813.7	1054.8	996.0	840.4	838.4	868.4
65°	181.0	180.4	197.7	257.9	447.6	809.7	1173.7	1108.3	927.2	903.2	919.9
66°	155.0	156.3	169.7	212.4	370.1	790.3	1255.9	1235.9	1013.4	945.3	926.6
67°	134.3	133.6	141.0	181.7	287.9	716.8	1301.3	1337.4	1102.9	986.7	915.2
67.5°	120.9	121.6	127.6	163.0	251.2	670.7	1307.3	1387.5	1153.7	1002.0	896.5
68°	112.2	112.9	114.9	149.0	232.5	624.6	1321.4	1429.6	1189.1	995.4	884.5
69°	104.9	100.9	100.9	119.6	191.1	525.1	1316.7	1473.0	1240.5	982.7	856.4
70°	92.2	92.9	90.9	105.5	152.3	405.5	1281.3	1442.3	1246.5	970.0	815.7
71°	84.2	84.2	82.8	96.9	131.6	317.3	1183.8	1392.2	1224.5	938.6	732.2
72°	74.8	75.5	75.5	88.8	120.9	252.5	1036.8	1321.4	1175.7	872.4	618.6
72.5°	71.5	70.1	71.5	85.5	117.6	217.8	965.3	1254.6	1127.6	810.3	555.1
73°	66.1	66.1	67.5	82.8	114.2	195.1	889.8	1195.1	1066.8	768.9	473.6
74°	58.8	59.5	61.5	76.2	108.9	151.0	734.2	1028.1	922.6	621.9	350.7
75°	52.1	52.8	56.8	71.5	105.5	134.9	589.2	869.8	778.3	479.0	247.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
77.5°	38.1	38.1	42.8	58.1	95.5	118.9	296.6	482.3	381.4	219.1	79.5
80°	26.1	26.7	30.7	44.1	85.5	112.9	164.3	235.8	164.3	60.1	38.1
82.5°	16.7	17.4	22.0	30.1	66.1	106.9	143.0	140.3	82.8	36.7	21.4
85°	9.4	10.0	14.7	20.7	43.4	108.2	128.9	112.2	56.8	18.7	10.0
87.5°	4.7	4.7	8.7	11.4	24.0	74.2	104.2	89.5	38.7	9.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7	318.7
2.5°	318.0	312.6	311.3	308.0	302.0	304.6	296.6	297.9	295.3	293.9	293.3
5°	308.6	304.6	296.6	289.3	281.9	273.9	267.2	265.2	261.2	257.2	256.5
7.5°	294.6	290.6	280.6	265.9	255.9	242.5	229.8	220.5	210.4	205.1	209.8
10°	285.2	280.6	261.2	243.2	225.8	205.1	187.7	167.0	155.7	150.3	143.6
12.5°	275.2	265.9	243.2	217.8	191.1	165.7	138.3	117.6	99.5	93.5	92.9
15°	267.9	255.2	223.8	193.1	159.7	126.3	95.5	82.8	75.5	72.1	72.8
17.5°	259.9	243.2	205.8	168.3	126.3	90.9	76.2	68.8	66.1	63.5	62.8
20°	251.8	230.5	183.7	138.3	94.2	71.5	63.5	60.1	58.1	58.1	58.1
22.5°	239.8	215.8	163.0	107.6	70.8	60.1	56.1	54.8	54.1	54.8	55.4
25°	231.8	205.1	138.3	80.2	58.1	52.8	50.1	50.8	51.4	51.4	52.1
27.5°	223.8	191.7	116.2	62.8	50.8	46.8	46.8	47.4	48.8	48.8	49.4
30°	215.8	181.0	93.5	52.8	45.4	42.8	42.8	44.1	44.8	44.8	45.4
32.5°	214.4	173.7	72.8	46.1	41.4	40.1	40.1	40.1	41.4	41.4	42.1
35°	211.8	164.3	58.8	42.1	38.7	38.1	38.1	38.1	38.1	38.7	38.1
37.5°	210.4	156.3	50.8	38.7	36.7	36.1	36.1	35.4	35.4	36.1	35.4
40°	221.8	152.3	46.1	37.4	35.4	34.7	33.4	33.4	33.4	33.4	33.4
42.5°	237.2	147.6	42.8	35.4	34.1	32.7	32.1	31.4	32.1	32.1	32.1
45°	261.2	149.0	40.7	34.1	32.7	30.7	30.1	30.1	30.1	31.4	31.4
47.5°	291.3	154.3	39.4	32.7	30.7	29.4	28.7	28.7	29.4	30.1	30.1
50°	324.7	159.7	40.1	32.1	30.1	28.1	27.4	27.4	28.1	29.4	29.4
52.5°	359.4	174.4	40.1	30.7	29.4	28.1	26.7	26.1	26.7	28.1	28.1
55°	400.2	198.4	40.7	30.7	28.7	27.4	26.1	25.4	25.4	26.1	26.7
56°	420.9	213.1	40.1	30.1	28.1	27.4	25.4	24.0	24.7	25.4	25.4
57°	447.6	231.8	40.7	30.1	28.1	26.7	25.4	23.4	24.0	24.7	24.7
58°	474.3	255.9	41.4	30.1	27.4	26.1	24.7	22.7	23.4	23.4	23.4
59°	508.4	292.6	43.4	30.1	27.4	26.1	24.7	22.0	22.0	22.7	23.4
60°	559.1	326.7	44.8	30.1	27.4	25.4	24.0	21.4	21.4	21.4	22.0
61°	607.2	361.4	46.1	30.7	26.7	24.7	22.7	21.4	20.7	20.7	20.7
62°	655.3	396.8	47.4	30.7	26.7	24.7	22.0	20.0	20.0	20.0	20.0
63°	709.4	438.9	47.4	30.7	26.7	24.0	21.4	19.4	18.7	19.4	19.4
64°	749.5	462.3	46.1	31.4	28.1	23.4	20.7	18.7	18.0	18.0	18.0
65°	768.2	460.9	44.8	32.1	28.7	22.7	19.4	18.0	17.4	17.4	17.4
66°	758.2	440.9	43.4	31.4	29.4	22.0	18.7	17.4	16.7	16.7	16.7
67°	730.8	418.2	42.1	31.4	30.1	22.0	18.7	16.7	16.0	16.0	16.0
67.5°	719.5	407.5	40.7	31.4	30.7	22.0	18.0	16.7	15.4	15.4	15.4
68°	705.4	392.8	39.4	31.4	30.7	22.0	18.0	16.0	15.4	14.7	14.7
69°	674.7	354.1	37.4	30.1	30.7	21.4	17.4	15.4	14.7	14.0	14.0
70°	611.2	298.6	34.7	29.4	30.1	20.7	16.7	14.7	14.0	13.4	13.4
71°	528.4	225.8	32.7	28.7	28.7	20.0	16.0	14.7	13.4	12.7	12.7
72°	427.5	172.4	30.7	28.1	27.4	18.7	16.0	14.0	12.7	12.0	12.0
72.5°	372.8	149.6	30.1	27.4	26.1	18.0	15.4	14.0	12.7	12.0	12.0
73°	324.7	126.3	28.7	26.7	25.4	17.4	15.4	13.4	12.7	11.4	11.4
74°	231.8	89.5	27.4	26.1	23.4	16.0	14.7	12.7	12.0	11.4	10.7
75°	162.3	64.1	25.4	24.0	20.7	14.7	13.4	12.0	11.4	10.7	10.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	51.4	34.1	19.4	20.0	15.4	12.0	11.4	10.7	10.0	9.4	9.4
80°	32.1	23.4	14.0	14.0	10.0	9.4	8.7	8.7	8.0	8.0	8.0
82.5°	18.0	14.0	10.7	9.4	7.3	6.0	6.7	6.7	6.7	6.0	6.0
85°	8.7	7.3	6.7	6.0	4.7	4.0	4.0	4.0	4.0	3.3	3.3
87.5°	4.7	4.0	4.0	2.7	2.0	1.3	1.3	1.3	2.0	1.3	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

(END OF REPORT)