

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: P400779

Luminaire Tested: **ENV-SA1-740-U-SLL-ULG-XXB**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#####)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENV-SA1-740-U-SLL-ULG-XXB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K LIGHTSQUARE IN BATTERY OPERATION WITH 16 LEDS AND SPILL
LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 682 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G0

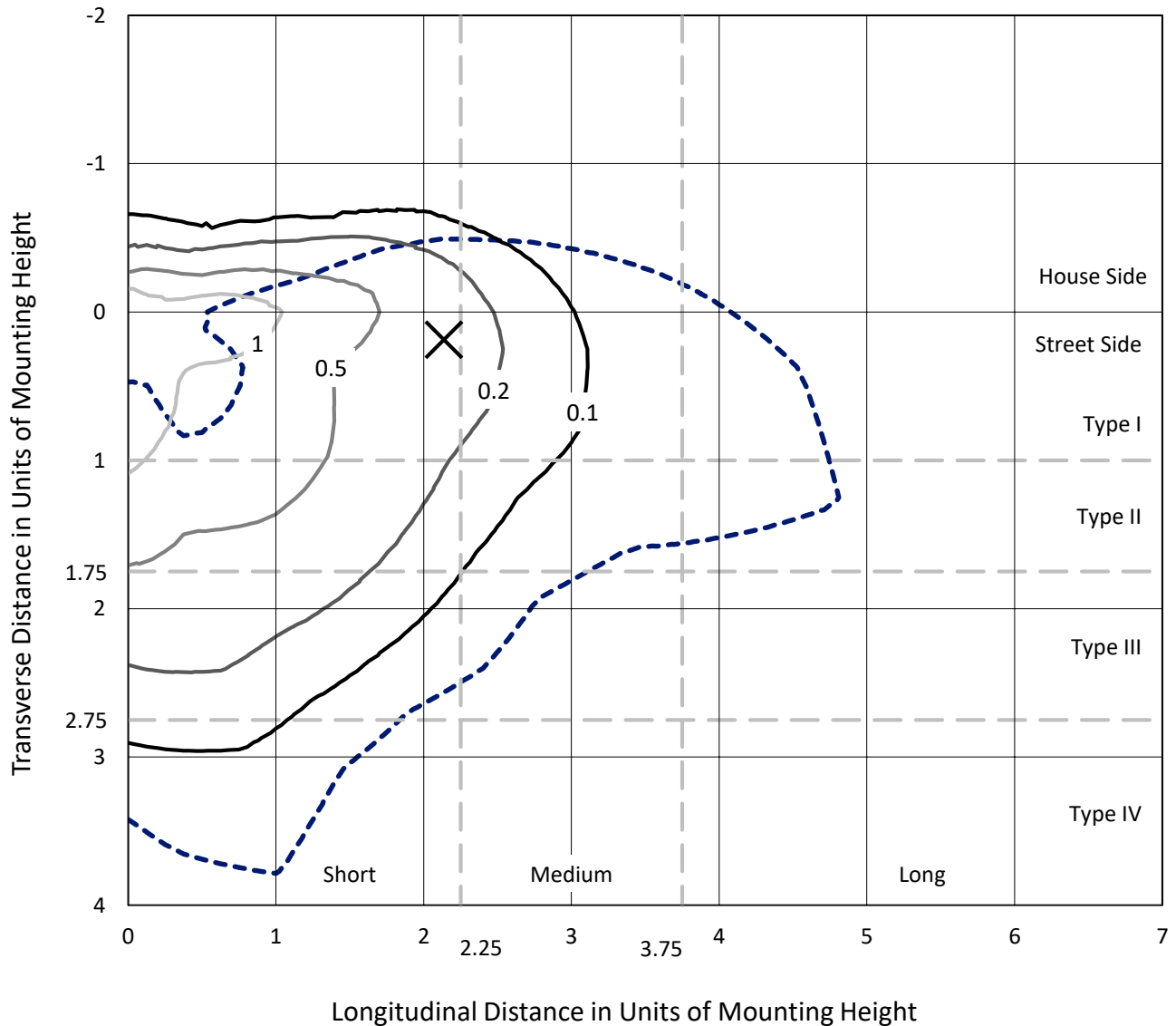
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

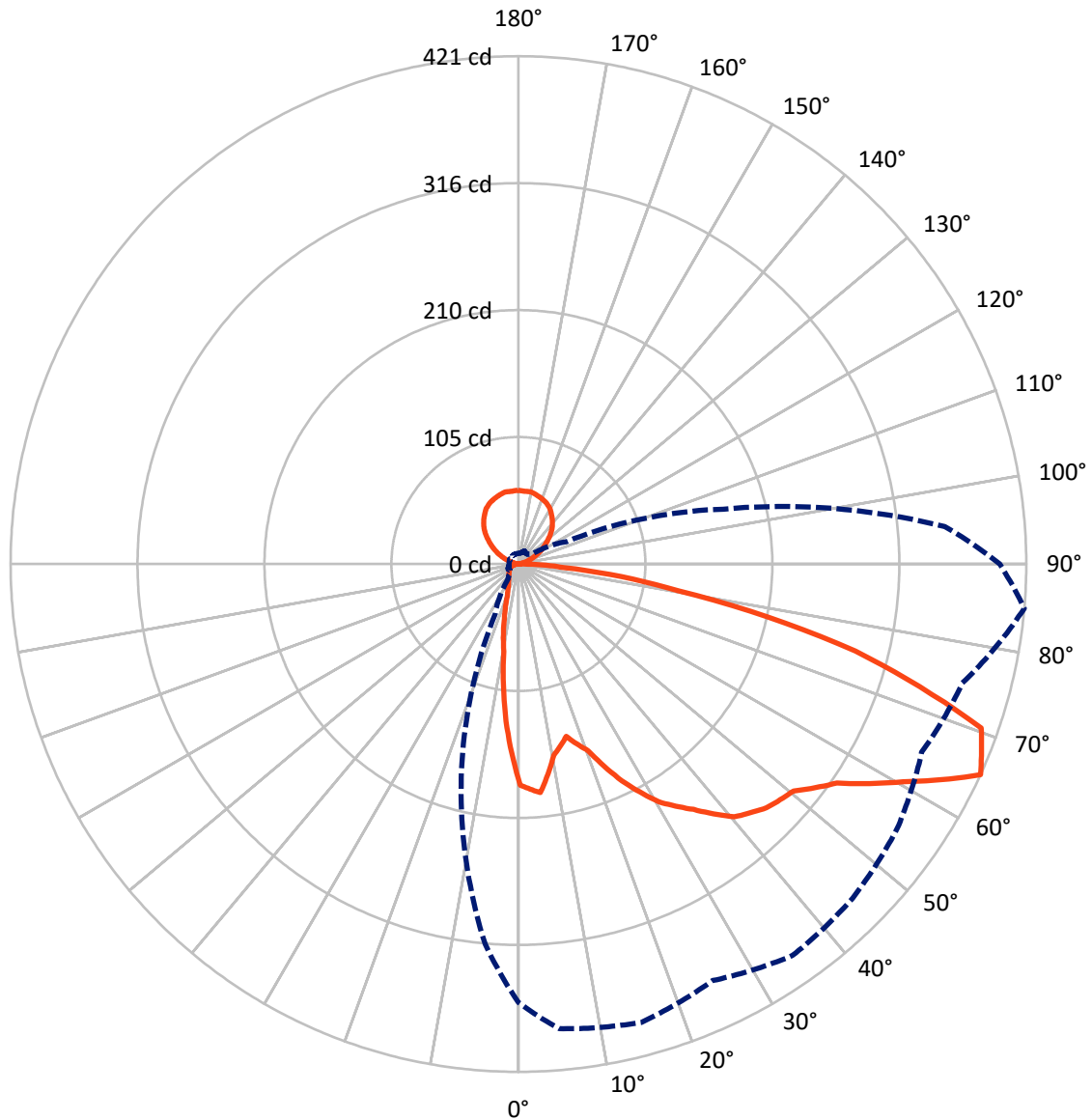
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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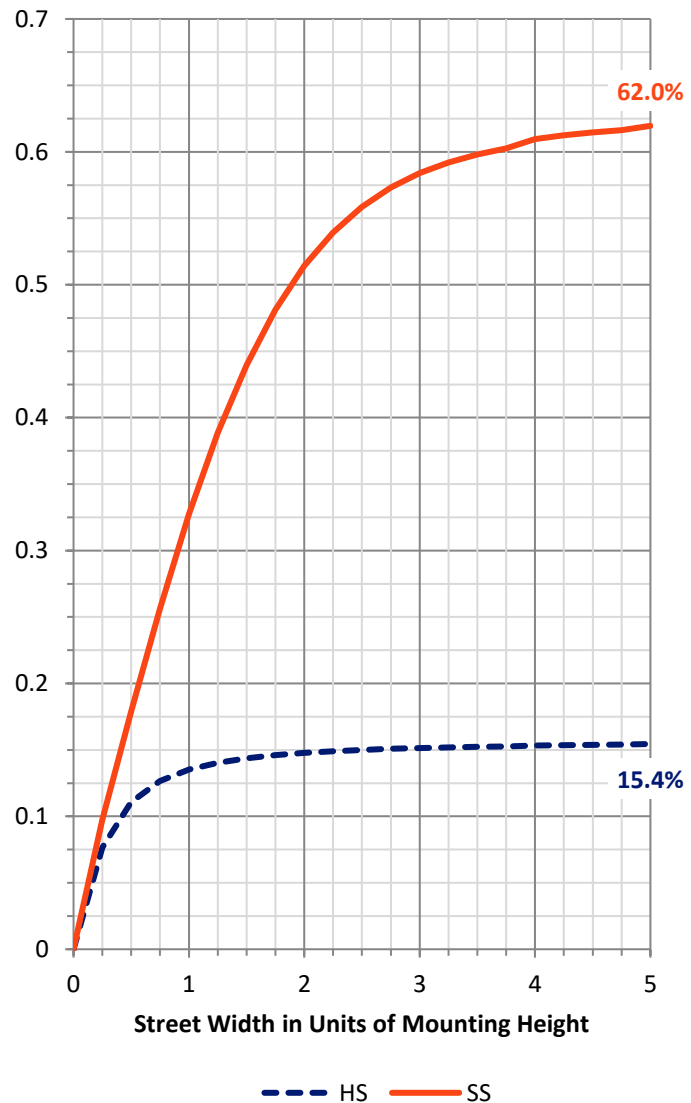
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.2	75.7	182.9
	% Fixture	15.7	11.1	26.8
Street Side	Lumens	423.3	75.7	499.0
	% Fixture	62.1	11.1	73.2
Total	Lumens	530.5	151.5	682.0
	% Fixture	77.8	22.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	2.1
10°-20°	27.8	4.1
20°-30°	38.5	5.6
30°-40°	54.2	7.9
40°-50°	75.1	11.0
50°-60°	105.3	15.4
60°-70°	127.4	18.7
70°-80°	76.0	11.1
80°-90°	12.2	1.8
90°-100°	0.7	0.1
100°-110°	5.1	0.8
110°-120°	14.6	2.1
120°-130°	23.8	3.5
130°-140°	29.4	4.3
140°-150°	30.0	4.4
150°-160°	25.3	3.7
160°-170°	16.7	2.4
170°-180°	5.8	0.8
0°-90°	530.5	77.8
0°-180°	682.0	100.0



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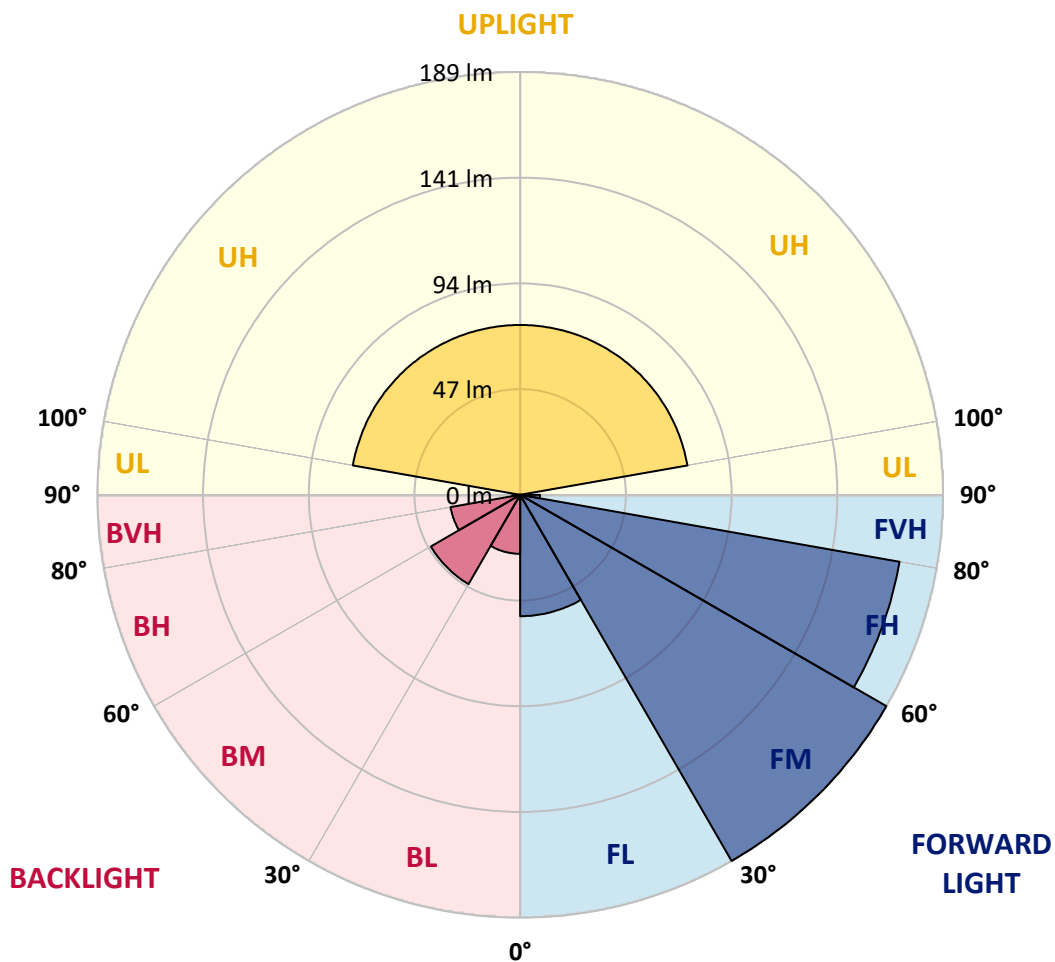
CATALOG NUMBER: ENV-SA1-740-U-SLL-ULG-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.1	7.9			
FM (30°-60°)	188.6	27.6			
FH (60°-80°)	171.8	25.2			G0/660
FVH (80°-90°)	8.8	1.3			G0/10
BL (0°-30°)	26.3	3.9	B0/110		
BM (30°-60°)	46.0	6.7	B0/220		
BH (60°-80°)	31.5	4.6	B0/110		G0/110
BVH (80°-90°)	3.4	0.5			G0/10
UL (90°-100°)	0.7	0.1		U1/10	
UH (100°-180°)	75.7	11.1		U3/500	

BUG Rating: B0-U3-G0

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
5°	179.9	185.1	189.8	194.5	198.7	202.8	205.8	208.8	209.6	210.5	209.3
10°	152.1	161.1	169.1	177.1	184.2	191.3	196.1	201.0	203.0	205.0	203.4
15°	145.7	154.6	160.8	166.9	171.2	175.4	177.1	178.8	178.8	178.8	179.3
20°	171.2	179.1	178.5	177.8	171.8	165.9	162.9	159.9	158.8	157.8	159.3
25°	206.7	214.1	207.0	200.0	183.4	166.9	158.6	150.4	149.5	148.7	150.3
30°	235.9	238.1	226.6	215.2	195.5	175.9	164.3	152.8	150.7	148.6	151.6
35°	261.0	256.0	240.4	224.8	204.8	184.9	172.1	159.2	156.7	154.3	160.2
40°	294.2	277.3	254.7	232.2	213.3	194.4	185.2	176.0	175.1	174.2	180.1
45°	316.8	292.3	264.2	236.1	226.0	215.9	217.1	218.2	219.7	221.2	225.7
50°	328.6	297.8	273.5	249.1	254.8	260.5	270.3	280.2	285.1	290.0	287.7
55°	359.5	330.1	307.3	284.5	296.9	309.2	324.8	340.4	341.6	342.8	339.1
60°	391.4	383.3	361.6	339.8	348.0	356.2	370.1	384.0	384.2	384.3	377.8
65°	363.4	386.6	390.0	393.3	387.1	380.9	388.5	396.1	393.9	391.6	387.3
70°	319.7	342.5	365.5	388.5	352.4	316.4	308.1	299.8	298.9	298.0	296.3
75°	167.4	197.5	212.4	227.4	196.4	165.5	157.8	150.0	160.5	171.0	170.1
80°	53.4	59.8	68.8	77.8	68.5	59.2	64.5	69.8	75.2	80.6	87.0
85°	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	1.1	1.8	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.4	1.8	2.2
105°	1.8	1.9	2.1	2.4	2.7	3.1	3.7	4.2	4.8	5.5	5.9
110°	5.8	5.9	6.2	6.5	7.0	7.6	8.2	8.9	9.4	9.9	10.2
115°	12.2	12.1	12.5	12.8	13.3	13.9	14.3	14.7	14.9	15.2	15.4
120°	19.6	19.5	19.6	19.7	20.0	20.3	20.5	20.7	20.9	21.2	21.3
125°	26.0	25.6	25.7	25.8	26.0	26.1	26.4	26.6	26.8	27.0	27.2
130°	31.7	31.5	31.5	31.6	31.8	31.9	32.1	32.3	32.4	32.4	32.7
135°	37.4	37.2	37.2	37.2	37.4	37.7	37.8	38.0	38.0	38.1	38.4
140°	42.6	42.3	42.4	42.5	42.6	42.7	42.8	42.8	43.1	43.4	43.5
145°	48.0	47.6	47.5	47.5	47.6	47.7	47.9	48.0	48.0	48.1	48.3
150°	51.9	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.9
155°	54.9	54.5	54.5	54.5	54.6	54.7	54.8	55.0	54.9	54.8	54.7
160°	57.8	57.6	57.5	57.5	57.4	57.2	57.2	57.1	57.1	57.1	57.3
165°	59.4	59.2	59.1	59.0	59.0	59.0	58.8	58.7	58.7	58.7	58.7
170°	60.9	60.6	60.5	60.4	60.4	60.4	60.4	60.5	60.4	60.3	60.1
175°	61.1	60.9	60.8	60.8	60.7	60.6	60.5	60.3	60.2	60.2	60.2
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
5°	208.1	206.6	205.1	201.9	198.8	194.6	190.4	186.4	182.1	178.8	175.4
10°	201.7	197.7	193.7	185.5	177.4	169.2	161.1	154.0	146.7	140.3	133.9
15°	179.8	178.8	177.8	171.8	165.8	157.0	148.3	139.6	130.7	121.7	112.8
20°	160.8	166.0	171.3	173.2	175.0	170.1	165.2	155.3	142.1	128.6	115.1
25°	151.8	162.0	172.3	184.1	196.0	197.5	199.0	187.8	169.4	146.7	124.0
30°	154.5	165.7	176.8	192.5	208.3	218.5	228.6	220.5	197.1	166.6	136.0
35°	166.1	176.6	187.0	202.1	217.1	233.5	249.8	243.5	215.3	180.5	145.8
40°	186.0	195.7	205.4	218.2	231.1	253.3	275.5	277.2	237.9	193.6	149.3
45°	230.3	228.5	226.7	233.3	239.9	264.1	288.3	297.7	259.3	205.3	151.3
50°	285.4	271.8	258.3	249.8	241.3	268.5	295.6	310.1	279.0	216.5	154.0
55°	335.4	314.0	292.5	277.8	263.0	291.7	320.4	344.1	320.8	244.5	168.1
60°	371.2	351.7	332.3	318.7	305.2	335.8	366.3	388.6	372.6	278.7	184.8
65°	383.0	375.9	368.8	374.9	381.0	401.0	420.9	399.0	354.8	265.2	175.6
70°	294.6	306.2	317.8	363.3	408.7	407.8	406.9	364.9	286.9	205.4	123.8
75°	169.1	188.9	208.8	262.5	316.1	302.4	288.6	237.6	187.0	128.7	70.4
80°	93.4	95.8	98.2	132.7	167.1	150.8	134.5	110.9	95.1	62.6	30.0
85°	15.1	17.5	20.0	33.0	46.1	42.0	37.9	32.2	43.0	25.4	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.7	1.7	1.8	2.0
105°	6.3	6.2	6.1	5.9	5.7	5.5	5.3	5.3	5.3	5.5	5.7
110°	10.5	10.5	10.6	10.5	10.4	10.3	10.1	10.2	10.1	10.3	10.4
115°	15.6	15.7	15.9	15.7	15.6	15.5	15.4	15.5	15.4	15.5	15.6
120°	21.5	21.6	21.8	21.6	21.4	21.3	21.2	21.2	21.2	21.3	21.4
125°	27.3	27.4	27.5	27.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0
130°	32.9	33.1	33.2	33.2	33.2	33.1	33.1	33.1	33.1	33.1	33.2
135°	38.6	38.9	39.1	39.0	39.0	39.1	39.3	39.3	39.3	39.1	39.0
140°	43.6	43.7	43.8	43.9	44.0	44.2	44.4	44.6	44.4	44.2	44.0
145°	48.5	48.8	49.0	49.0	48.9	48.8	48.7	48.9	48.7	48.8	48.9
150°	52.1	52.2	52.3	52.5	52.6	52.7	52.9	53.2	52.9	52.7	52.6
155°	54.6	54.8	55.0	55.3	55.5	55.6	55.7	55.9	55.7	55.6	55.5
160°	57.4	57.7	57.9	57.8	57.7	57.6	57.6	58.1	57.6	57.6	57.7
165°	58.6	58.8	59.1	59.2	59.3	59.2	59.2	59.5	59.2	59.2	59.3
170°	59.8	60.0	60.1	60.3	60.5	60.6	60.7	61.2	60.7	60.6	60.5
175°	60.2	60.4	60.6	60.7	60.7	60.6	60.5	61.0	60.5	60.6	60.7
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
5°	171.6	167.8	164.1	160.4	157.1	153.8	153.2	152.6	150.7	148.7	148.2
10°	127.2	120.6	114.8	109.1	104.9	100.7	97.1	93.4	91.5	89.6	87.0
15°	105.1	97.3	93.0	88.8	85.8	82.9	79.6	76.3	73.0	69.6	66.1
20°	103.3	91.5	84.5	77.4	71.6	65.8	60.0	54.2	50.1	46.1	41.8
25°	104.6	85.2	74.1	62.9	53.1	43.3	36.5	29.8	27.3	24.9	23.9
30°	106.8	77.6	62.8	48.0	37.2	26.4	24.0	21.5	20.7	20.0	19.5
35°	108.5	71.2	54.4	37.6	29.9	22.3	20.6	18.8	18.2	17.5	17.0
40°	108.1	66.8	50.8	34.9	27.2	19.4	18.3	17.2	16.5	15.7	15.3
45°	107.5	63.8	47.4	31.0	25.2	19.4	17.7	16.0	15.3	14.6	14.0
50°	107.7	61.3	44.9	28.5	22.9	17.2	17.2	17.2	15.5	13.8	13.1
55°	112.5	57.0	41.5	26.0	20.3	14.6	15.6	16.5	15.3	14.0	12.7
60°	118.5	52.3	36.2	20.0	16.3	12.6	12.8	13.0	13.0	13.1	11.8
65°	109.8	43.9	29.8	15.7	13.4	11.2	10.9	10.7	11.3	11.9	10.7
70°	79.1	34.3	25.2	16.2	13.0	9.8	9.6	9.3	9.2	9.0	8.8
75°	50.6	30.7	23.7	16.6	12.6	8.5	8.2	7.8	7.8	7.7	7.5
80°	24.7	19.4	15.4	11.3	9.0	6.8	6.5	6.1	6.1	6.1	6.0
85°	7.3	6.9	6.3	5.7	5.1	4.4	4.4	4.4	4.5	4.5	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	2.1	2.3	2.4	2.5	2.2	1.8	1.4	1.0	1.0	0.9	0.8
105°	5.9	6.1	6.2	6.3	5.9	5.5	4.8	4.2	3.7	3.1	2.7
110°	10.5	10.6	10.5	10.5	10.2	9.9	9.4	8.9	8.2	7.6	7.0
115°	15.8	15.9	15.8	15.6	15.4	15.2	14.9	14.7	14.3	13.9	13.3
120°	21.6	21.8	21.6	21.5	21.3	21.2	20.9	20.7	20.5	20.3	20.0
125°	27.3	27.5	27.4	27.3	27.2	27.0	26.8	26.6	26.4	26.1	26.0
130°	33.2	33.2	33.1	32.9	32.7	32.4	32.4	32.3	32.1	31.9	31.8
135°	39.0	39.1	38.9	38.6	38.4	38.1	38.0	38.0	37.8	37.7	37.4
140°	43.9	43.8	43.7	43.6	43.5	43.4	43.1	42.8	42.8	42.7	42.6
145°	49.0	49.0	48.8	48.5	48.3	48.1	48.0	48.0	47.9	47.7	47.6
150°	52.5	52.3	52.2	52.1	51.9	51.7	51.7	51.7	51.7	51.7	51.7
155°	55.3	55.0	54.8	54.6	54.7	54.8	54.9	55.0	54.8	54.7	54.6
160°	57.8	57.9	57.7	57.4	57.3	57.1	57.1	57.1	57.2	57.2	57.4
165°	59.2	59.1	58.8	58.6	58.7	58.7	58.7	58.7	58.8	59.0	59.0
170°	60.3	60.1	60.0	59.8	60.1	60.3	60.4	60.5	60.4	60.4	60.4
175°	60.7	60.6	60.4	60.2	60.2	60.2	60.2	60.3	60.5	60.6	60.7
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
5°	147.6	147.1	146.5	143.4	144.1	142.8	141.6	141.5	141.5	140.1	138.7
10°	84.4	82.6	80.7	80.2	80.2	81.1	82.0	83.3	84.7	86.0	87.3
15°	62.5	59.9	57.2	55.2	52.8	51.0	49.2	48.4	47.6	47.0	46.5
20°	37.5	35.6	33.8	32.1	31.4	31.2	31.0	30.7	30.4	29.8	29.3
25°	22.9	22.5	22.1	22.1	21.9	22.0	22.1	22.3	22.4	22.6	22.9
30°	19.0	18.9	18.8	18.8	18.8	18.8	18.8	18.9	19.1	19.4	19.6
35°	16.5	16.3	16.1	16.1	16.2	16.4	16.5	16.7	16.8	16.8	16.9
40°	14.9	14.6	14.3	14.3	14.2	14.2	14.2	14.4	14.6	14.8	14.9
45°	13.5	13.2	13.0	12.9	12.8	12.7	12.7	12.6	12.5	12.6	12.7
50°	12.4	12.1	11.8	11.7	11.5	11.4	11.3	11.2	11.1	11.0	11.0
55°	11.5	11.2	10.9	10.7	10.5	10.4	10.3	10.2	10.1	10.1	10.0
60°	10.5	10.2	9.9	9.8	9.6	9.6	9.5	9.4	9.4	9.3	9.2
65°	9.6	9.3	8.9	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
70°	8.6	8.3	8.0	7.8	7.8	7.8	7.8	7.7	7.6	7.5	7.5
75°	7.3	7.1	6.8	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5
80°	5.9	5.6	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.3	5.4
85°	4.3	4.1	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6
100°	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
105°	2.4	2.1	1.9	1.8	1.9	2.1	2.4	2.7	3.1	3.7	4.2
110°	6.5	6.2	5.9	5.8	5.9	6.2	6.5	7.0	7.6	8.2	8.9
115°	12.8	12.5	12.1	12.2	12.1	12.5	12.8	13.3	13.9	14.3	14.7
120°	19.7	19.6	19.5	19.6	19.5	19.6	19.7	20.0	20.3	20.5	20.7
125°	25.8	25.7	25.6	26.0	25.6	25.7	25.8	26.0	26.1	26.4	26.6
130°	31.6	31.5	31.5	31.7	31.5	31.5	31.6	31.8	31.9	32.1	32.3
135°	37.2	37.2	37.2	37.4	37.2	37.2	37.2	37.4	37.7	37.8	38.0
140°	42.5	42.4	42.3	42.6	42.3	42.4	42.5	42.6	42.7	42.8	42.8
145°	47.5	47.5	47.6	48.0	47.6	47.5	47.5	47.6	47.7	47.9	48.0
150°	51.7	51.7	51.6	51.9	51.6	51.7	51.7	51.7	51.7	51.7	51.7
155°	54.5	54.5	54.5	54.9	54.5	54.5	54.5	54.6	54.7	54.8	55.0
160°	57.5	57.5	57.6	57.8	57.6	57.5	57.5	57.4	57.2	57.2	57.1
165°	59.0	59.1	59.2	59.4	59.2	59.1	59.0	59.0	59.0	58.8	58.7
170°	60.4	60.5	60.6	60.9	60.6	60.5	60.4	60.4	60.4	60.4	60.5
175°	60.8	60.8	60.9	61.1	60.9	60.8	60.8	60.7	60.6	60.5	60.3
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3
5°	137.1	135.5	135.1	134.7	133.4	132.0	131.5	131.0	130.8	130.6	129.6
10°	86.3	85.3	82.6	79.9	78.7	77.4	75.6	73.9	73.6	73.4	73.2
15°	46.7	47.0	46.3	45.6	45.9	46.1	45.9	45.6	45.9	46.2	46.8
20°	29.4	29.5	29.3	29.1	29.0	28.8	28.1	27.4	27.1	26.8	27.2
25°	23.0	23.1	22.6	22.1	21.4	20.6	20.3	19.9	19.8	19.8	20.0
30°	19.7	19.9	19.3	18.8	18.3	17.7	17.4	17.1	16.8	16.6	16.4
35°	17.1	17.2	16.8	16.5	16.0	15.6	15.1	14.7	14.3	14.0	13.7
40°	15.1	15.3	14.8	14.3	13.8	13.2	13.0	12.7	12.6	12.5	12.3
45°	13.1	13.6	12.8	12.1	11.8	11.5	11.4	11.3	11.2	11.2	11.2
50°	11.1	11.2	10.9	10.7	10.4	10.2	10.1	10.1	10.1	10.1	10.1
55°	10.1	10.1	9.9	9.7	9.6	9.4	9.3	9.2	9.2	9.2	9.4
60°	9.3	9.5	9.3	9.0	8.9	8.7	8.7	8.6	8.6	8.6	8.5
65°	8.5	8.6	8.4	8.2	8.1	7.9	7.9	7.8	7.8	7.7	7.6
70°	7.7	7.8	7.5	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.7
75°	6.7	7.0	6.6	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
80°	5.4	5.4	5.1	4.8	4.6	4.3	4.3	4.2	4.1	3.9	3.8
85°	3.6	3.3	3.3	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
100°	1.4	1.8	2.2	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.7
105°	4.8	5.5	5.9	6.3	6.2	6.1	5.9	5.7	5.5	5.3	5.3
110°	9.4	9.9	10.2	10.5	10.5	10.6	10.5	10.4	10.3	10.1	10.2
115°	14.9	15.2	15.4	15.6	15.8	15.9	15.8	15.6	15.5	15.4	15.5
120°	20.9	21.2	21.3	21.5	21.6	21.8	21.6	21.4	21.3	21.2	21.2
125°	26.8	27.0	27.2	27.3	27.4	27.5	27.3	27.0	27.0	27.0	27.0
130°	32.4	32.4	32.7	32.9	33.1	33.2	33.2	33.2	33.1	33.1	33.1
135°	38.0	38.1	38.4	38.6	38.9	39.1	39.0	39.0	39.1	39.3	39.3
140°	43.1	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.2	44.4	44.6
145°	48.0	48.1	48.3	48.5	48.8	49.0	49.0	48.9	48.8	48.7	48.9
150°	51.7	51.7	51.9	52.1	52.2	52.3	52.5	52.6	52.7	52.9	53.2
155°	54.9	54.8	54.7	54.6	54.8	55.0	55.3	55.5	55.6	55.7	55.9
160°	57.1	57.1	57.3	57.4	57.7	57.9	57.8	57.7	57.6	57.6	58.1
165°	58.7	58.7	58.7	58.6	58.8	59.1	59.2	59.3	59.2	59.2	59.5
170°	60.4	60.3	60.1	59.8	60.0	60.1	60.3	60.5	60.6	60.7	61.2
175°	60.2	60.2	60.2	60.2	60.4	60.6	60.7	60.7	60.6	60.5	61.0
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	0°
5°	133.0	132.2	131.4	133.0	134.7	136.2	137.6	141.3	145.0	146.9	148.7	5°
10°	74.9	76.9	78.9	81.1	83.3	86.8	90.2	93.8	97.4	101.4	105.3	10°
15°	48.9	51.8	54.7	58.6	62.6	66.7	70.9	75.0	79.1	83.0	86.9	15°
20°	28.6	29.7	30.9	34.0	37.2	41.4	45.7	51.8	57.9	64.7	71.5	20°
25°	20.0	20.2	20.5	21.1	21.7	23.7	25.7	31.5	37.3	47.1	57.0	25°
30°	16.3	16.3	16.4	16.8	17.2	18.1	18.9	22.0	25.1	35.7	46.4	30°
35°	13.7	13.9	14.1	14.5	14.9	15.7	16.5	18.5	20.6	29.3	38.0	35°
40°	12.4	12.5	12.6	13.0	13.3	13.9	14.6	15.8	17.0	24.3	31.6	40°
45°	11.2	11.3	11.5	11.9	12.4	13.0	13.6	15.2	16.7	20.9	25.0	45°
50°	10.2	10.4	10.7	11.3	11.9	13.6	15.4	15.2	15.0	19.7	24.3	50°
55°	9.6	9.8	10.0	11.0	12.1	12.8	13.6	12.9	12.3	17.8	23.3	55°
60°	8.5	8.9	9.2	10.8	12.5	11.5	10.6	10.6	10.6	14.2	17.9	60°
65°	7.7	8.0	8.3	9.0	9.6	9.2	8.7	8.9	9.1	12.1	15.0	65°
70°	6.7	6.8	7.0	7.0	7.1	7.2	7.2	7.6	8.0	10.8	13.6	70°
75°	5.3	5.4	5.5	5.6	5.6	5.6	5.5	5.9	6.3	8.7	11.2	75°
80°	3.7	3.8	3.8	3.7	3.5	3.2	2.9	2.9	3.0	3.6	4.2	80°
85°	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°
95°	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	95°
100°	1.7	1.8	2.0	2.1	2.3	2.4	2.5	2.2	1.8	1.4	1.0	100°
105°	5.3	5.5	5.7	5.9	6.1	6.2	6.3	5.9	5.5	4.8	4.2	105°
110°	10.1	10.3	10.4	10.5	10.6	10.5	10.5	10.2	9.9	9.4	8.9	110°
115°	15.4	15.5	15.6	15.7	15.9	15.7	15.6	15.4	15.2	14.9	14.7	115°
120°	21.2	21.3	21.4	21.6	21.8	21.6	21.5	21.3	21.2	20.9	20.7	120°
125°	27.0	27.0	27.0	27.3	27.5	27.4	27.3	27.2	27.0	26.8	26.6	125°
130°	33.1	33.1	33.2	33.2	33.2	33.1	32.9	32.7	32.4	32.4	32.3	130°
135°	39.3	39.1	39.0	39.0	39.1	38.9	38.6	38.4	38.1	38.0	38.0	135°
140°	44.4	44.2	44.0	43.9	43.8	43.7	43.6	43.5	43.4	43.1	42.8	140°
145°	48.7	48.8	48.9	49.0	49.0	48.8	48.5	48.3	48.1	48.0	48.0	145°
150°	52.9	52.7	52.6	52.5	52.3	52.2	52.1	51.9	51.7	51.7	51.7	150°
155°	55.7	55.6	55.5	55.3	55.0	54.8	54.6	54.7	54.8	54.9	55.0	155°
160°	57.6	57.6	57.7	57.8	57.9	57.7	57.4	57.3	57.1	57.1	57.1	160°
165°	59.2	59.2	59.3	59.2	59.1	58.8	58.6	58.7	58.7	58.7	58.7	165°
170°	60.7	60.6	60.5	60.3	60.1	60.0	59.8	60.1	60.3	60.4	60.5	170°
175°	60.5	60.6	60.7	60.7	60.6	60.4	60.2	60.2	60.2	60.2	60.3	175°
180°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
183.3	183.3	183.3	183.3	183.3	183.3	183.3
153.1	157.5	160.7	163.9	169.0	174.1	179.9
111.9	118.5	124.6	130.7	137.0	143.3	152.1
92.4	97.9	106.0	114.0	124.4	134.7	145.7
80.3	89.0	103.2	117.4	135.2	152.9	171.2
69.6	82.2	104.2	126.1	154.4	182.7	206.7
60.3	74.1	105.8	137.4	175.3	213.1	235.9
53.0	68.1	104.7	141.4	188.0	234.5	261.0
46.4	61.3	102.9	144.6	203.3	262.1	294.2
40.3	55.6	100.4	145.2	214.1	283.1	316.8
38.2	52.0	100.8	149.7	226.5	303.3	328.6
37.5	51.8	108.4	164.9	254.7	344.5	359.5
34.7	51.4	118.5	185.7	274.8	363.9	391.4
30.4	45.8	114.5	183.2	249.7	316.3	363.4
23.9	34.2	83.1	132.0	194.1	256.3	319.7
16.6	22.1	38.8	55.5	92.0	128.4	167.4
6.1	8.0	10.8	13.6	29.2	44.8	53.4
0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.6	0.6	0.5	0.5	0.4	0.4
1.0	0.9	0.8	0.8	0.7	0.7	0.7
3.7	3.1	2.7	2.4	2.1	1.9	1.8
8.2	7.6	7.0	6.5	6.2	5.9	5.8
14.3	13.9	13.3	12.8	12.5	12.1	12.2
20.5	20.3	20.0	19.7	19.6	19.5	19.6
26.4	26.1	26.0	25.8	25.7	25.6	26.0
32.1	31.9	31.8	31.6	31.5	31.5	31.7
37.8	37.7	37.4	37.2	37.2	37.2	37.4
42.8	42.7	42.6	42.5	42.4	42.3	42.6
47.9	47.7	47.6	47.5	47.5	47.6	48.0
51.7	51.7	51.7	51.7	51.7	51.6	51.9
54.8	54.7	54.6	54.5	54.5	54.5	54.9
57.2	57.2	57.4	57.5	57.5	57.6	57.8
58.8	59.0	59.0	59.0	59.1	59.2	59.4
60.4	60.4	60.4	60.4	60.5	60.6	60.9
60.5	60.6	60.7	60.8	60.8	60.9	61.1
61.1	61.1	61.1	61.1	61.1	61.1	61.1

(END OF REPORT)