

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: P400777

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

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400777
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-HSS-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 WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 580 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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

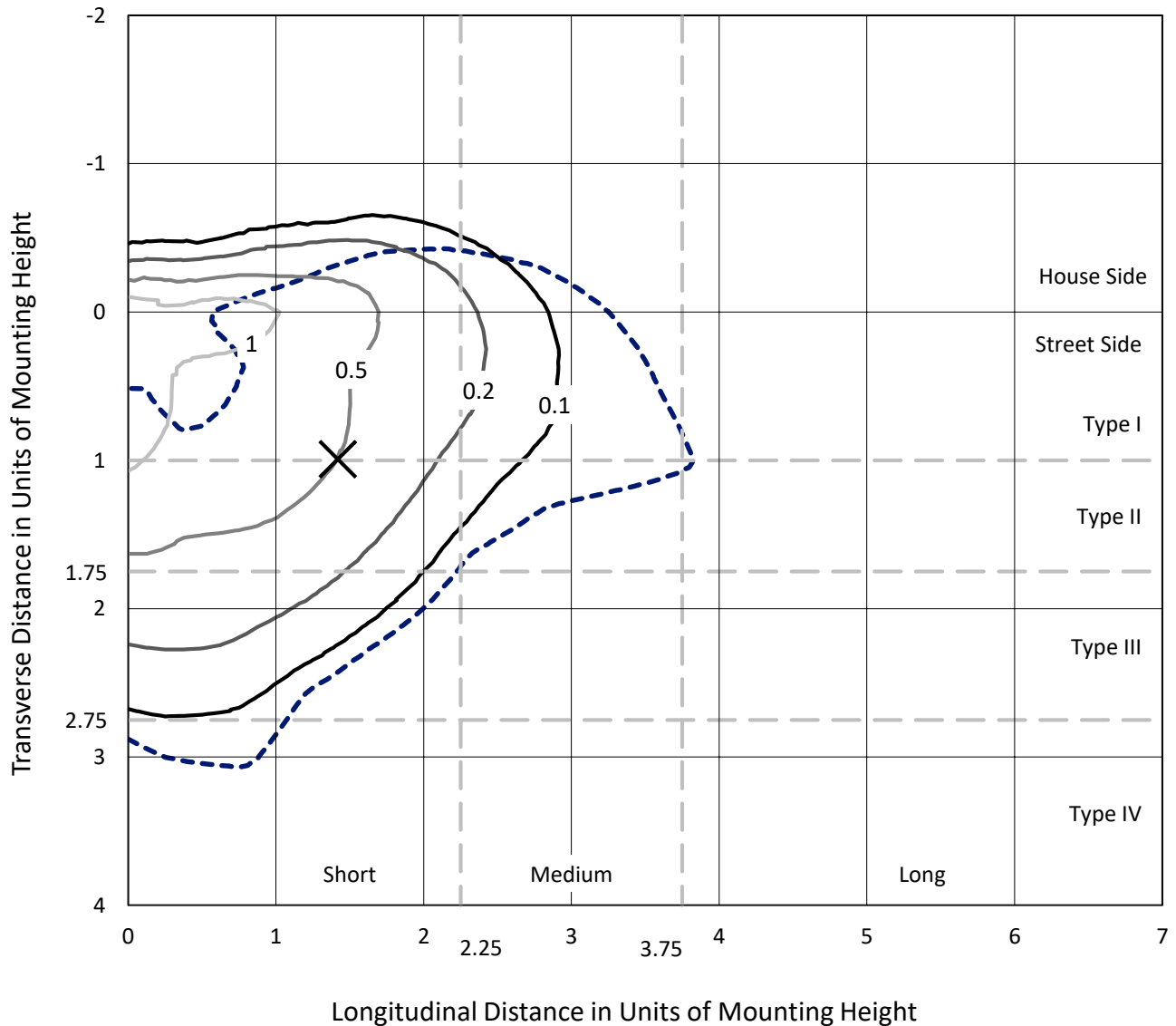


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

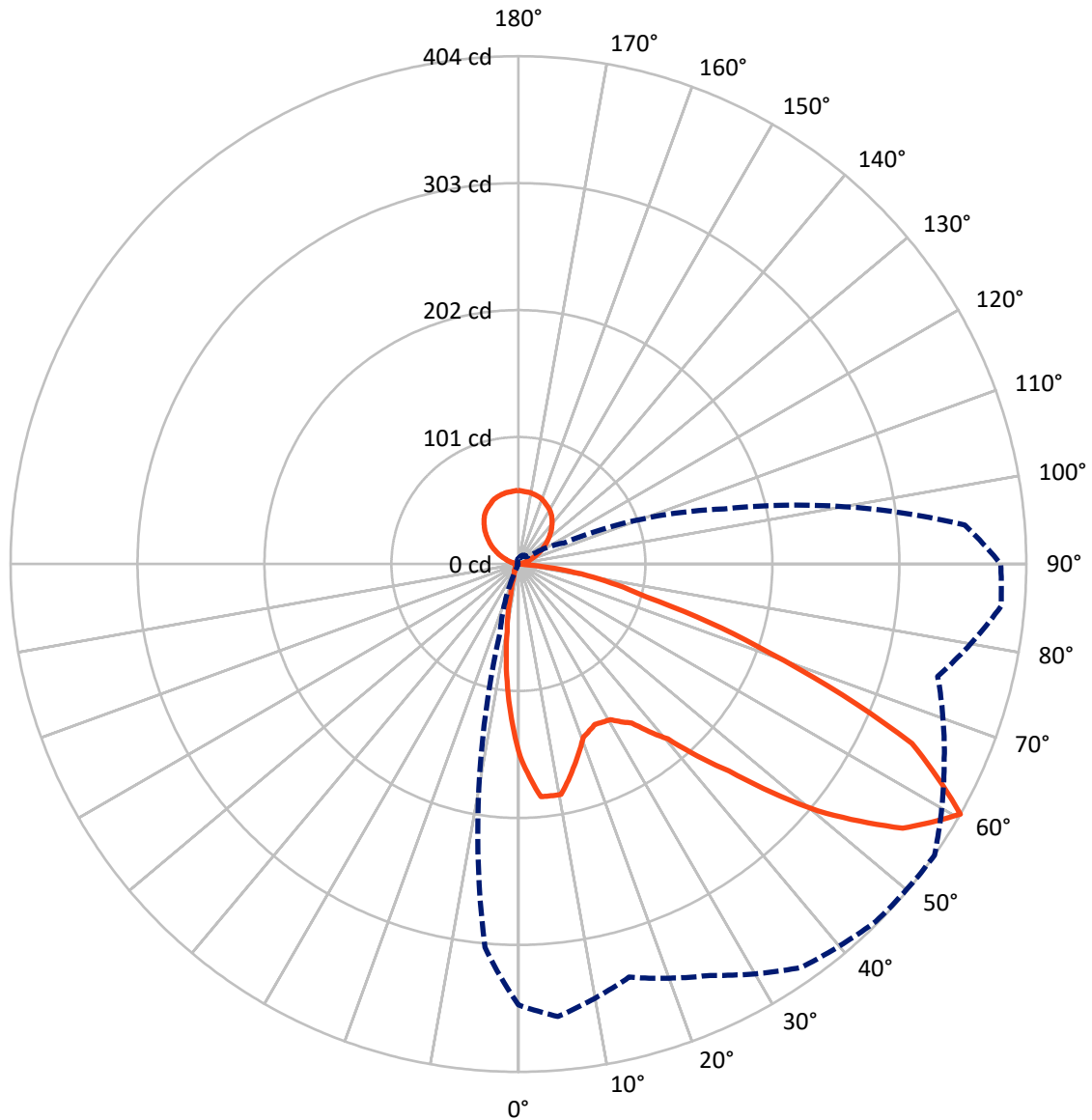


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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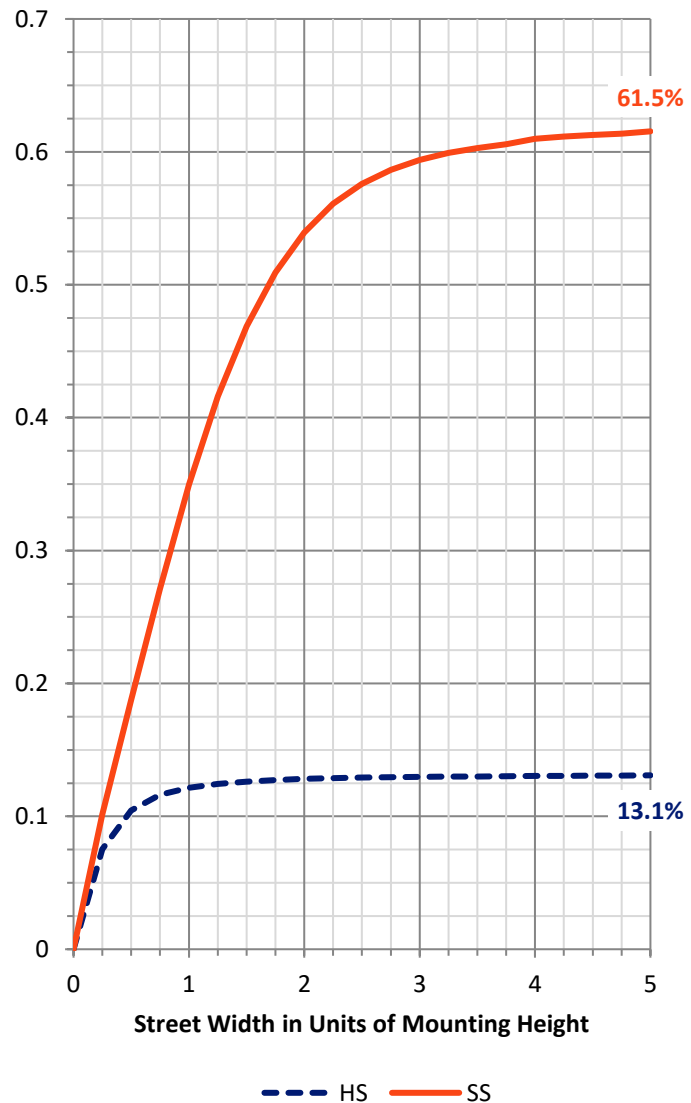
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.1	72.9	149.9
	% Fixture	13.3	12.6	25.9
Street Side	Lumens	357.2	72.9	430.1
	% Fixture	61.6	12.6	74.1
Total	Lumens	434.3	145.7	580.0
	% Fixture	74.9	25.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	2.0
10°-20°	22.2	3.8
20°-30°	31.4	5.4
30°-40°	46.0	7.9
40°-50°	67.7	11.7
50°-60°	99.8	17.2
60°-70°	105.6	18.2
70°-80°	45.3	7.8
80°-90°	4.6	0.8
90°-100°	0.7	0.1
100°-110°	4.9	0.9
110°-120°	14.0	2.4
120°-130°	22.9	4.0
130°-140°	28.3	4.9
140°-150°	28.9	5.0
150°-160°	24.4	4.2
160°-170°	16.0	2.8
170°-180°	5.6	1.0
0°-90°	434.3	74.9
0°-180°	580.0	100.0



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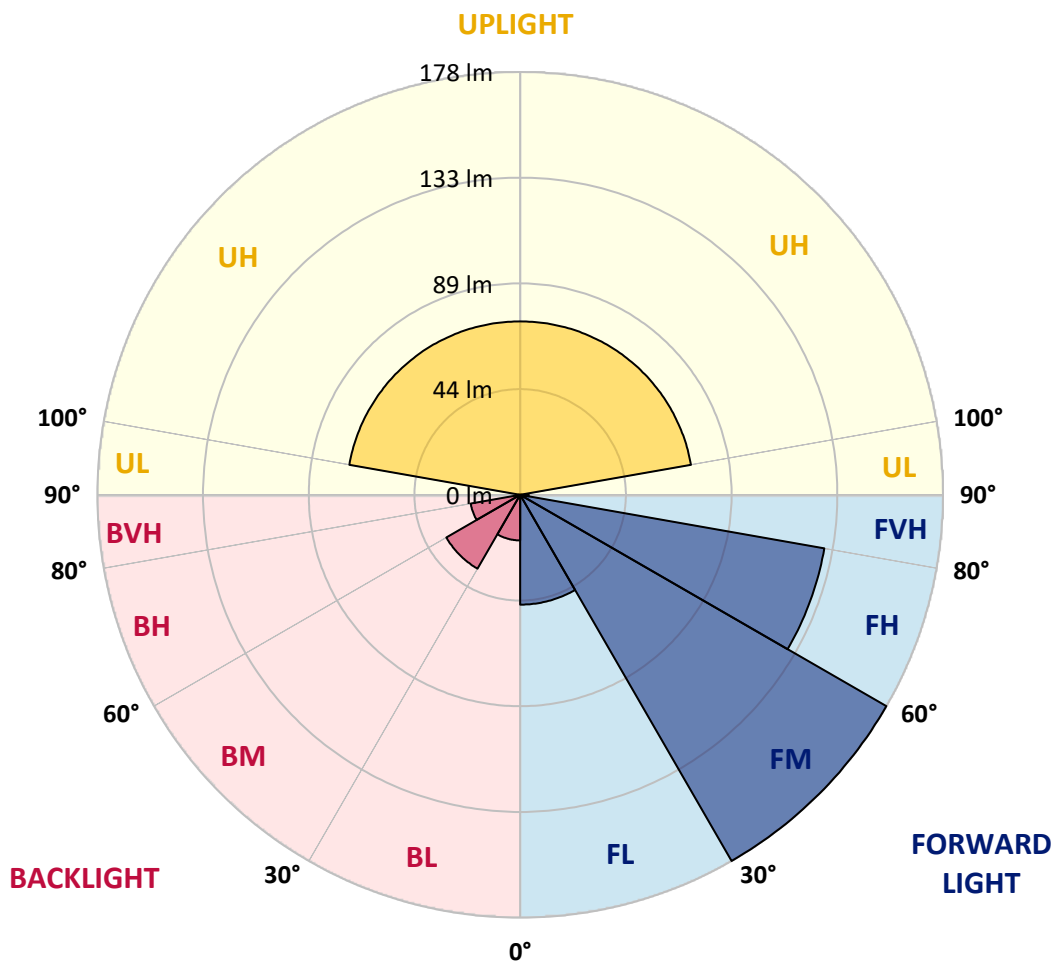
CATALOG NUMBER: ENV-SA1-740-U-SLL-HSS-ULG-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.2	8.0			
FM	(30°-60°)	177.7	30.6			
FH	(60°-80°)	129.8	22.4			G0/660
FVH	(80°-90°)	3.6	0.6			G0/10
BL	(0°-30°)	19.2	3.3	B0/110		
BM	(30°-60°)	35.8	6.2	B0/220		
BH	(60°-80°)	21.1	3.6	B0/110		G0/110
BVH	(80°-90°)	1.0	0.2			G0/10
UL	(90°-100°)	0.7	0.1		U1/10	
UH	(100°-180°)	72.9	12.6		U3/500	

BUG Rating: B0-U3-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
5°	155.4	159.7	164.9	170.1	174.4	178.7	181.9	185.1	186.6	188.2	187.1
10°	131.8	140.9	149.2	157.5	165.4	173.3	179.4	185.5	187.6	189.7	188.2
15°	126.1	137.2	144.0	150.9	155.7	160.5	162.4	164.4	164.9	165.3	165.9
20°	149.6	161.4	161.5	161.6	156.5	151.4	148.5	145.6	144.9	144.1	145.7
25°	189.6	197.4	192.5	187.6	172.0	156.4	148.0	139.6	139.1	138.5	140.0
30°	217.1	220.3	211.6	202.9	184.2	165.5	153.8	142.1	140.4	138.6	141.2
35°	245.0	240.9	228.2	215.5	196.2	177.0	163.7	150.5	147.3	144.1	149.8
40°	280.1	266.7	248.1	229.5	210.9	192.3	182.8	173.3	173.1	172.9	178.0
45°	308.6	289.1	265.5	241.9	233.1	224.3	225.1	226.0	230.7	235.4	235.2
50°	321.0	300.1	282.6	265.1	271.9	278.8	292.2	305.6	312.7	319.8	314.4
55°	346.0	330.4	313.8	297.1	310.3	323.6	345.6	367.7	374.9	382.0	376.7
60°	351.0	361.6	351.0	340.5	350.9	361.3	376.7	392.1	397.2	402.4	403.3
65°	312.8	330.4	347.3	364.3	355.6	346.9	346.0	345.1	342.3	339.4	341.8
70°	223.3	246.2	254.5	262.8	238.1	213.5	210.8	208.1	210.3	212.6	212.3
75°	88.9	110.2	125.6	141.0	116.2	91.5	88.0	84.5	89.5	94.5	99.9
80°	25.8	31.0	33.0	35.0	33.0	31.0	35.9	40.9	44.1	47.4	51.6
85°	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.4	2.5
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	0.5	0.6	0.6	0.6	0.6	0.6	0.6
100°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.4	1.8	2.1
105°	1.8	1.8	2.1	2.3	2.6	3.0	3.5	4.0	4.7	5.3	5.7
110°	5.5	5.7	6.0	6.2	6.8	7.3	7.9	8.6	9.1	9.6	9.8
115°	11.7	11.7	12.0	12.3	12.8	13.3	13.7	14.1	14.4	14.6	14.8
120°	18.9	18.7	18.8	19.0	19.3	19.5	19.7	19.9	20.1	20.4	20.5
125°	25.0	24.7	24.8	24.8	25.0	25.1	25.3	25.6	25.8	26.0	26.1
130°	30.5	30.3	30.3	30.4	30.6	30.7	30.9	31.1	31.1	31.2	31.4
135°	36.0	35.8	35.8	35.8	36.0	36.3	36.4	36.5	36.6	36.7	36.9
140°	41.0	40.7	40.8	40.9	41.0	41.0	41.1	41.2	41.5	41.7	41.8
145°	46.2	45.8	45.7	45.7	45.8	45.9	46.0	46.2	46.2	46.2	46.4
150°	49.9	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
155°	52.8	52.4	52.4	52.4	52.5	52.6	52.7	52.9	52.8	52.7	52.6
160°	55.6	55.4	55.3	55.3	55.2	55.1	55.0	55.0	55.0	55.0	55.1
165°	57.1	56.9	56.8	56.7	56.7	56.7	56.6	56.5	56.5	56.5	56.4
170°	58.6	58.3	58.2	58.1	58.1	58.1	58.1	58.2	58.1	58.0	57.8
175°	58.7	58.6	58.5	58.5	58.4	58.3	58.2	58.0	58.0	57.9	57.9
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
5°	186.1	184.4	182.8	179.5	176.3	172.4	168.4	164.5	160.8	157.0	153.2
10°	186.6	181.5	176.5	168.0	159.6	151.3	143.0	135.9	128.5	121.9	115.4
15°	166.5	164.9	163.4	156.4	149.3	140.7	132.0	123.1	113.9	105.3	96.6
20°	147.3	152.1	157.0	157.6	158.2	153.7	149.2	138.4	124.1	111.0	97.9
25°	141.4	150.7	160.1	170.0	179.9	181.1	182.2	172.1	154.0	130.5	107.0
30°	143.8	154.1	164.5	178.6	192.6	202.1	211.7	204.3	182.6	151.2	119.7
35°	155.5	165.0	174.4	189.2	203.9	218.3	232.6	228.2	201.7	164.6	127.5
40°	183.1	189.6	196.1	209.3	222.5	243.6	264.7	264.6	225.1	177.5	129.9
45°	235.0	231.4	227.8	232.0	236.1	259.6	283.2	289.8	248.5	189.3	130.0
50°	308.9	289.1	269.2	259.5	249.7	277.6	305.5	315.4	278.6	207.9	137.2
55°	371.3	343.2	315.2	300.7	286.1	312.6	339.0	357.0	327.0	242.9	158.8
60°	404.3	389.1	374.0	359.7	345.5	365.6	385.7	383.9	356.7	263.1	169.5
65°	344.3	350.8	357.3	376.3	395.3	398.2	401.1	370.2	314.9	227.1	139.4
70°	212.0	230.8	249.6	293.3	337.0	333.8	330.7	292.6	223.5	154.7	85.8
75°	105.3	120.5	135.8	181.0	226.2	199.0	171.9	134.5	96.1	69.4	42.7
80°	55.8	56.6	57.3	68.1	78.9	66.9	54.8	47.0	42.0	25.5	9.0
85°	4.6	6.5	8.4	5.2	1.9	2.7	3.4	1.1	3.0	2.5	2.1
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	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	2.4	2.3	2.2	2.1	1.9	1.8	1.6	1.6	1.6	1.8	1.9
105°	6.0	6.0	5.9	5.7	5.5	5.3	5.1	5.1	5.1	5.3	5.5
110°	10.1	10.1	10.2	10.1	10.0	9.9	9.7	9.8	9.7	9.9	10.0
115°	15.0	15.1	15.3	15.1	15.0	14.9	14.9	14.9	14.9	14.9	15.0
120°	20.6	20.8	21.0	20.8	20.6	20.5	20.4	20.4	20.4	20.5	20.6
125°	26.3	26.4	26.4	26.2	26.0	26.0	26.0	26.0	26.0	26.0	26.0
130°	31.6	31.8	32.0	32.0	32.0	31.9	31.8	31.9	31.8	31.9	32.0
135°	37.2	37.4	37.6	37.6	37.5	37.6	37.8	37.9	37.8	37.6	37.5
140°	42.0	42.0	42.1	42.2	42.3	42.5	42.7	42.9	42.7	42.5	42.3
145°	46.7	46.9	47.2	47.1	47.1	46.9	46.8	47.0	46.8	47.0	47.1
150°	50.1	50.2	50.4	50.5	50.6	50.7	50.9	51.2	50.9	50.7	50.6
155°	52.5	52.7	53.0	53.2	53.4	53.5	53.5	53.8	53.5	53.5	53.4
160°	55.2	55.5	55.7	55.6	55.5	55.4	55.4	55.9	55.4	55.4	55.5
165°	56.4	56.6	56.8	56.9	57.1	57.0	56.9	57.2	56.9	57.0	57.1
170°	57.6	57.7	57.8	58.0	58.2	58.3	58.4	58.8	58.4	58.3	58.2
175°	57.9	58.1	58.3	58.4	58.4	58.3	58.2	58.7	58.2	58.3	58.4
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
5°	148.2	143.2	139.7	136.2	132.5	128.8	127.6	126.4	124.0	121.5	119.7
10°	108.1	100.7	94.9	89.1	85.2	81.3	78.0	74.7	71.7	68.8	66.4
15°	89.1	81.7	77.7	73.8	70.1	66.4	62.8	59.2	55.3	51.4	47.9
20°	86.2	74.5	67.0	59.6	53.6	47.6	41.5	35.4	30.6	25.7	23.4
25°	87.5	68.0	56.2	44.5	35.4	26.3	22.2	18.1	16.7	15.2	14.4
30°	90.8	61.9	47.3	32.7	26.0	19.2	17.0	14.8	13.7	12.6	11.9
35°	91.1	54.6	40.7	26.7	20.8	14.8	13.3	11.9	11.1	10.3	9.9
40°	90.9	51.8	38.1	24.5	18.6	12.6	11.6	10.6	9.7	8.9	8.3
45°	90.2	50.5	36.3	22.1	17.3	12.5	11.2	10.0	9.1	8.3	7.6
50°	93.1	48.9	34.6	20.3	15.8	11.2	11.1	10.9	9.6	8.3	7.5
55°	102.3	45.9	31.9	17.9	13.8	9.8	10.3	10.9	9.6	8.3	7.3
60°	104.8	40.0	26.1	12.2	10.2	8.2	8.3	8.4	8.0	7.6	6.5
65°	85.2	30.9	21.0	11.0	8.8	6.6	6.4	6.1	6.4	6.8	5.7
70°	56.5	27.2	19.7	12.1	8.7	5.3	5.0	4.8	4.7	4.5	4.1
75°	31.8	20.8	15.7	10.6	7.3	4.1	4.1	4.2	4.0	3.9	3.5
80°	7.8	6.6	5.3	4.0	3.6	3.2	3.2	3.1	3.2	3.3	3.2
85°	2.4	2.7	2.6	2.5	2.3	2.1	2.1	2.1	2.1	2.1	2.0
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	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
100°	2.1	2.2	2.3	2.4	2.1	1.8	1.4	1.0	0.9	0.8	0.8
105°	5.7	5.9	6.0	6.0	5.7	5.3	4.7	4.0	3.5	3.0	2.6
110°	10.1	10.2	10.1	10.1	9.8	9.6	9.1	8.6	7.9	7.3	6.8
115°	15.2	15.3	15.2	15.0	14.8	14.6	14.4	14.1	13.7	13.3	12.8
120°	20.8	21.0	20.8	20.6	20.5	20.4	20.1	19.9	19.7	19.5	19.3
125°	26.2	26.4	26.4	26.3	26.1	26.0	25.8	25.6	25.3	25.1	25.0
130°	32.0	32.0	31.8	31.6	31.4	31.2	31.1	31.1	30.9	30.7	30.6
135°	37.6	37.6	37.4	37.2	36.9	36.7	36.6	36.5	36.4	36.3	36.0
140°	42.2	42.1	42.0	42.0	41.8	41.7	41.5	41.2	41.1	41.0	41.0
145°	47.1	47.2	46.9	46.7	46.4	46.2	46.2	46.2	46.0	45.9	45.8
150°	50.5	50.4	50.2	50.1	49.9	49.8	49.8	49.8	49.8	49.8	49.8
155°	53.2	53.0	52.7	52.5	52.6	52.7	52.8	52.9	52.7	52.6	52.5
160°	55.6	55.7	55.5	55.2	55.1	55.0	55.0	55.0	55.0	55.1	55.2
165°	56.9	56.8	56.6	56.4	56.4	56.5	56.5	56.5	56.6	56.7	56.7
170°	58.0	57.8	57.7	57.6	57.8	58.0	58.1	58.2	58.1	58.1	58.1
175°	58.4	58.3	58.1	57.9	57.9	57.9	58.0	58.0	58.2	58.3	58.4
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
5°	118.0	115.9	113.8	112.1	113.3	112.6	111.8	110.1	108.3	107.1	106.0
10°	63.9	61.5	59.1	58.3	57.6	57.2	56.8	57.5	58.3	58.0	57.6
15°	44.4	41.2	38.0	36.3	34.8	32.9	31.0	29.6	28.1	27.3	26.4
20°	21.1	19.7	18.3	17.4	16.8	16.5	16.2	15.9	15.7	15.2	14.7
25°	13.5	13.0	12.5	12.1	11.6	11.3	11.0	10.7	10.3	10.3	10.3
30°	11.2	11.0	10.7	10.4	10.0	9.6	9.1	8.8	8.4	8.2	7.9
35°	9.4	9.4	9.3	9.0	8.4	8.1	7.7	7.3	7.0	6.6	6.2
40°	7.7	7.3	6.8	6.4	6.0	5.6	5.3	5.1	4.9	4.8	4.8
45°	7.0	6.5	6.1	5.7	5.2	4.8	4.3	4.0	3.6	3.4	3.2
50°	6.6	6.2	5.7	5.3	4.8	4.3	3.8	3.3	2.9	2.5	2.2
55°	6.3	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.2	1.8
60°	5.4	5.0	4.7	4.3	3.9	3.4	2.9	2.5	2.1	1.8	1.5
65°	4.6	4.2	3.9	3.5	3.2	2.8	2.4	2.0	1.6	1.4	1.2
70°	3.8	3.5	3.2	2.9	2.6	2.3	2.1	1.7	1.3	1.1	0.9
75°	3.1	2.9	2.7	2.5	2.4	2.1	1.8	1.5	1.2	1.0	0.7
80°	3.0	2.7	2.4	2.2	2.1	1.9	1.6	1.4	1.1	0.9	0.7
85°	1.9	1.7	1.6	1.6	1.5	1.3	1.1	0.9	0.7	0.6	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6
100°	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	1.0
105°	2.3	2.1	1.8	1.8	1.8	2.1	2.3	2.6	3.0	3.5	4.0
110°	6.2	6.0	5.7	5.5	5.7	6.0	6.2	6.8	7.3	7.9	8.6
115°	12.3	12.0	11.7	11.7	11.7	12.0	12.3	12.8	13.3	13.7	14.1
120°	19.0	18.8	18.7	18.9	18.7	18.8	19.0	19.3	19.5	19.7	19.9
125°	24.8	24.8	24.7	25.0	24.7	24.8	24.8	25.0	25.1	25.3	25.6
130°	30.4	30.3	30.3	30.5	30.3	30.3	30.4	30.6	30.7	30.9	31.1
135°	35.8	35.8	35.8	36.0	35.8	35.8	35.8	36.0	36.3	36.4	36.5
140°	40.9	40.8	40.7	41.0	40.7	40.8	40.9	41.0	41.0	41.1	41.2
145°	45.7	45.7	45.8	46.2	45.8	45.7	45.7	45.8	45.9	46.0	46.2
150°	49.8	49.7	49.7	49.9	49.7	49.7	49.8	49.8	49.8	49.8	49.8
155°	52.4	52.4	52.4	52.8	52.4	52.4	52.4	52.5	52.6	52.7	52.9
160°	55.3	55.3	55.4	55.6	55.4	55.3	55.3	55.2	55.1	55.0	55.0
165°	56.7	56.8	56.9	57.1	56.9	56.8	56.7	56.7	56.7	56.6	56.5
170°	58.1	58.2	58.3	58.6	58.3	58.2	58.1	58.1	58.1	58.1	58.2
175°	58.5	58.5	58.6	58.7	58.6	58.5	58.5	58.4	58.3	58.2	58.0
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
5°	105.4	104.8	104.4	103.9	102.0	100.1	100.1	100.2	100.5	100.7	98.5
10°	56.6	55.5	55.0	54.5	52.6	50.7	50.5	50.4	50.2	50.0	49.8
15°	26.5	26.7	25.3	24.0	23.7	23.3	22.1	20.8	20.7	20.5	19.8
20°	14.3	13.9	12.5	11.1	10.2	9.3	9.0	8.7	8.7	8.6	8.8
25°	9.8	9.4	8.6	7.8	7.4	7.1	6.9	6.7	6.7	6.6	6.6
30°	7.5	7.1	6.6	6.2	5.8	5.5	5.4	5.3	5.2	5.1	5.1
35°	5.8	5.4	5.1	4.8	4.5	4.2	4.0	3.9	3.8	3.8	3.8
40°	4.6	4.3	3.9	3.5	3.2	2.9	2.7	2.5	2.5	2.5	2.5
45°	3.2	3.2	2.8	2.5	2.2	1.9	1.7	1.6	1.5	1.5	1.5
50°	2.1	2.0	1.8	1.7	1.4	1.1	1.0	0.9	0.9	0.8	0.8
55°	1.6	1.3	1.1	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4
60°	1.3	1.1	0.9	0.7	0.5	0.4	0.3	0.2	0.2	0.2	0.2
65°	1.0	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0
70°	0.7	0.6	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
75°	0.6	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0
80°	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0
85°	0.3	0.2	0.2	0.1	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
95°	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6
100°	1.4	1.8	2.1	2.4	2.3	2.2	2.1	1.9	1.8	1.6	1.6
105°	4.7	5.3	5.7	6.0	6.0	5.9	5.7	5.5	5.3	5.1	5.1
110°	9.1	9.6	9.8	10.1	10.1	10.2	10.1	10.0	9.9	9.7	9.8
115°	14.4	14.6	14.8	15.0	15.2	15.3	15.2	15.0	14.9	14.9	14.9
120°	20.1	20.4	20.5	20.6	20.8	21.0	20.8	20.6	20.5	20.4	20.4
125°	25.8	26.0	26.1	26.3	26.4	26.4	26.2	26.0	26.0	26.0	26.0
130°	31.1	31.2	31.4	31.6	31.8	32.0	32.0	32.0	31.9	31.8	31.9
135°	36.6	36.7	36.9	37.2	37.4	37.6	37.6	37.5	37.6	37.8	37.9
140°	41.5	41.7	41.8	42.0	42.0	42.1	42.2	42.3	42.5	42.7	42.9
145°	46.2	46.2	46.4	46.7	46.9	47.2	47.1	47.1	47.0	46.8	47.0
150°	49.8	49.8	49.9	50.1	50.2	50.4	50.5	50.6	50.7	50.9	51.2
155°	52.8	52.7	52.6	52.5	52.7	53.0	53.2	53.4	53.5	53.5	53.8
160°	55.0	55.0	55.1	55.2	55.5	55.7	55.6	55.5	55.4	55.4	55.9
165°	56.5	56.5	56.4	56.4	56.6	56.8	56.9	57.1	57.0	56.9	57.2
170°	58.1	58.0	57.8	57.6	57.7	57.8	58.0	58.2	58.3	58.4	58.8
175°	58.0	57.9	57.9	57.9	58.1	58.3	58.4	58.4	58.3	58.2	58.7
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	0°
5°	101.4	101.8	102.1	103.9	105.7	107.7	109.6	113.5	117.4	120.8	124.1	5°
10°	52.2	53.8	55.4	58.5	61.7	65.1	68.6	72.0	75.5	79.5	83.4	10°
15°	19.9	22.5	25.0	29.8	34.5	39.6	44.6	50.1	55.5	60.3	65.1	15°
20°	8.9	9.1	9.3	9.9	10.5	12.3	14.0	20.3	26.7	37.0	47.3	20°
25°	6.7	6.9	7.0	7.3	7.7	8.2	8.7	9.7	10.7	17.5	24.3	25°
30°	5.2	5.3	5.4	5.7	5.9	6.3	6.7	7.2	7.7	9.8	12.0	30°
35°	3.9	3.9	4.0	4.3	4.5	4.8	5.0	5.3	5.7	6.4	7.2	35°
40°	2.6	2.7	2.9	3.1	3.3	3.5	3.8	4.1	4.4	5.1	5.8	40°
45°	1.6	1.7	1.8	2.1	2.3	2.7	3.0	3.6	4.2	4.1	4.0	45°
50°	0.8	0.9	1.0	1.3	1.6	2.4	3.3	3.2	3.2	3.0	2.8	50°
55°	0.4	0.5	0.7	0.8	1.0	1.3	1.6	1.6	1.7	1.9	2.1	55°
60°	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.1	1.2	1.4	1.6	60°
65°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	65°
70°	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	70°
75°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	75°
80°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80°
85°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	95°
100°	1.6	1.8	1.9	2.1	2.2	2.3	2.4	2.1	1.8	1.4	1.0	100°
105°	5.1	5.3	5.5	5.7	5.9	6.0	6.0	5.7	5.3	4.7	4.0	105°
110°	9.7	9.9	10.0	10.1	10.2	10.1	10.1	9.8	9.6	9.1	8.6	110°
115°	14.9	14.9	15.0	15.1	15.3	15.1	15.0	14.8	14.6	14.4	14.1	115°
120°	20.4	20.5	20.6	20.8	21.0	20.8	20.6	20.5	20.4	20.1	19.9	120°
125°	26.0	26.0	26.0	26.2	26.4	26.4	26.3	26.1	26.0	25.8	25.6	125°
130°	31.8	31.9	32.0	32.0	32.0	31.8	31.6	31.4	31.2	31.1	31.1	130°
135°	37.8	37.6	37.5	37.6	37.6	37.4	37.2	36.9	36.7	36.6	36.5	135°
140°	42.7	42.5	42.3	42.2	42.1	42.0	42.0	41.8	41.7	41.5	41.2	140°
145°	46.8	46.9	47.1	47.1	47.2	46.9	46.7	46.4	46.2	46.2	46.2	145°
150°	50.9	50.7	50.6	50.5	50.4	50.2	50.1	49.9	49.8	49.8	49.8	150°
155°	53.5	53.5	53.4	53.2	53.0	52.7	52.5	52.6	52.7	52.8	52.9	155°
160°	55.4	55.4	55.5	55.6	55.7	55.5	55.2	55.1	55.0	55.0	55.0	160°
165°	56.9	57.0	57.1	56.9	56.8	56.6	56.4	56.4	56.5	56.5	56.5	165°
170°	58.4	58.3	58.2	58.0	57.8	57.7	57.6	57.8	58.0	58.1	58.2	170°
175°	58.2	58.3	58.4	58.4	58.3	58.1	57.9	57.9	57.9	58.0	58.0	175°
180°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
153.2	153.2	153.2	153.2	153.2	153.2	153.2
127.7	131.3	135.9	140.4	145.0	149.7	155.4
89.3	95.1	101.6	108.1	115.6	123.1	131.8
71.0	76.9	84.9	92.9	103.3	113.7	126.1
57.3	67.2	80.5	93.8	111.8	129.7	149.6
41.3	58.2	81.0	103.8	132.9	161.9	189.6
25.0	38.0	74.4	110.9	151.3	191.7	217.1
14.8	22.5	65.1	107.7	161.7	215.6	245.0
9.2	12.6	51.1	89.6	165.9	242.2	280.1
5.2	6.4	37.5	68.7	166.9	265.1	308.6
3.4	3.9	34.2	64.5	175.7	286.9	321.0
2.7	3.3	34.9	66.6	191.5	316.4	346.0
2.2	2.7	29.5	56.2	181.3	306.4	351.0
1.3	1.6	17.3	32.9	143.9	254.8	312.8
0.6	0.8	5.4	10.0	84.4	158.7	223.3
0.2	0.3	1.1	1.9	25.8	49.6	88.9
0.0	0.0	0.2	0.3	4.6	8.9	25.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.6	0.6	0.5	0.5	0.5	0.4	0.4
0.9	0.8	0.8	0.8	0.7	0.7	0.7
3.5	3.0	2.6	2.3	2.1	1.8	1.8
7.9	7.3	6.8	6.2	6.0	5.7	5.5
13.7	13.3	12.8	12.3	12.0	11.7	11.7
19.7	19.5	19.3	19.0	18.8	18.7	18.9
25.3	25.1	25.0	24.8	24.8	24.7	25.0
30.9	30.7	30.6	30.4	30.3	30.3	30.5
36.4	36.3	36.0	35.8	35.8	35.8	36.0
41.1	41.0	41.0	40.9	40.8	40.7	41.0
46.0	45.9	45.8	45.7	45.7	45.8	46.2
49.8	49.8	49.8	49.8	49.7	49.7	49.9
52.7	52.6	52.5	52.4	52.4	52.4	52.8
55.0	55.1	55.2	55.3	55.3	55.4	55.6
56.6	56.7	56.7	56.7	56.8	56.9	57.1
58.1	58.1	58.1	58.1	58.2	58.3	58.6
58.2	58.3	58.4	58.5	58.5	58.6	58.7
58.7	58.7	58.7	58.7	58.7	58.7	58.7

(END OF REPORT)