

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: P400783

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

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400783
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-SLR-ULG-XXB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K LIGHTSQUARE IN BATTERY OPERATION WITH 16 LEDS AND SPILL
LIGHT ELIMINATOR RIGHT 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

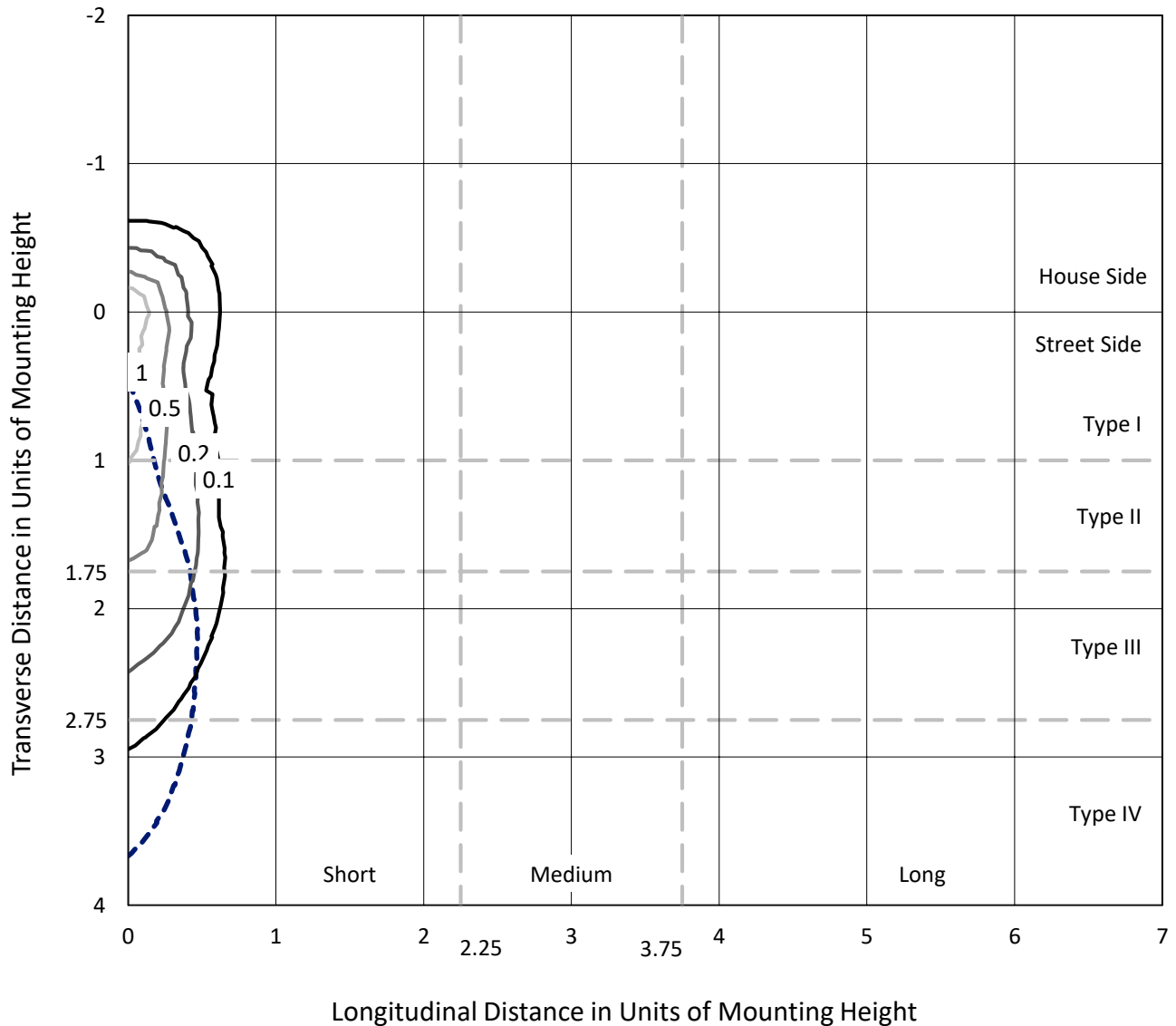
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

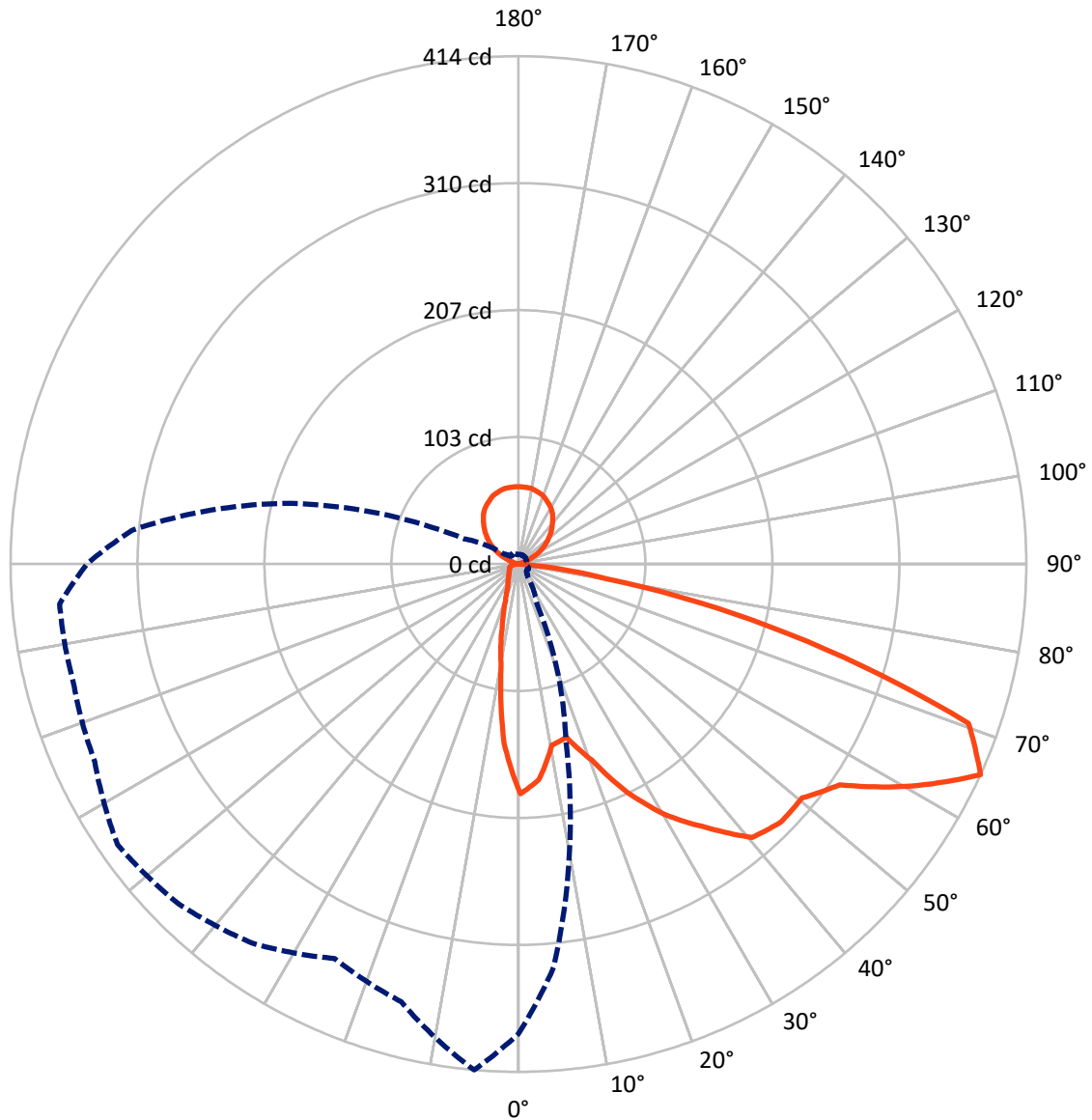
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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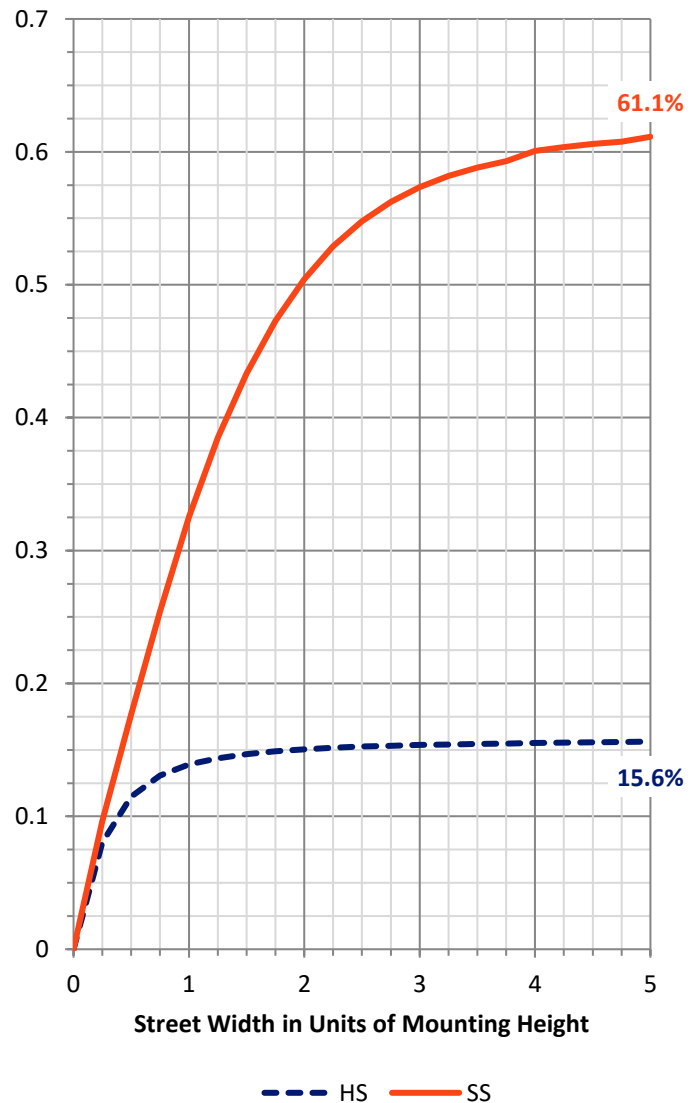
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	108.2	78.1	186.4
	% Fixture	15.9	11.5	27.3
Street Side	Lumens	417.5	78.1	495.6
	% Fixture	61.2	11.5	72.7
Total	Lumens	525.8	156.2	682.0
	% Fixture	77.1	22.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	2.1
10°-20°	28.7	4.2
20°-30°	39.5	5.8
30°-40°	55.1	8.1
40°-50°	75.0	11.0
50°-60°	102.5	15.0
60°-70°	123.9	18.2
70°-80°	76.0	11.1
80°-90°	10.5	1.5
90°-100°	0.7	0.1
100°-110°	5.3	0.8
110°-120°	15.0	2.2
120°-130°	24.6	3.6
130°-140°	30.3	4.4
140°-150°	31.0	4.5
150°-160°	26.1	3.8
160°-170°	17.2	2.5
170°-180°	6.0	0.9
0°-90°	525.8	77.1
0°-180°	682.0	100.0



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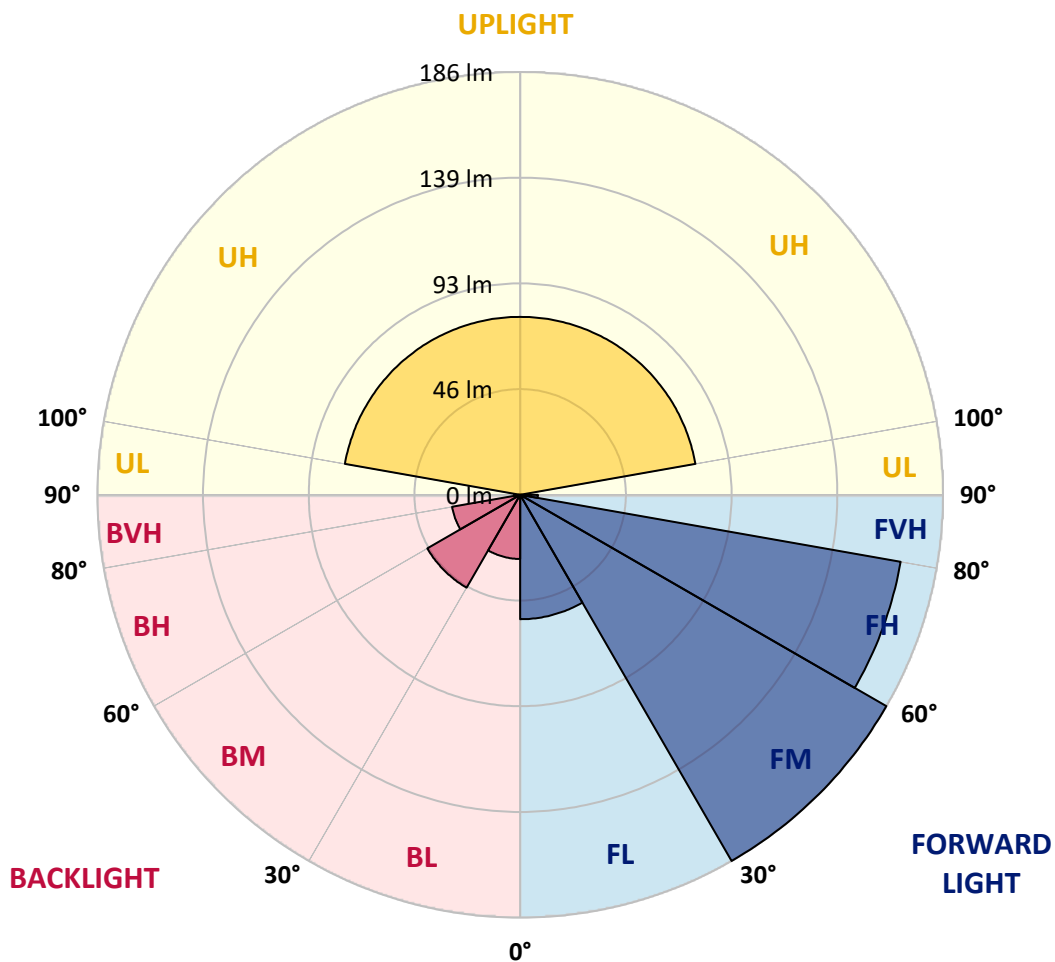
CATALOG NUMBER: ENV-SA1-740-U-SLR-ULG-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.6	8.0			
FM	(30°-60°)	185.6	27.2			
FH	(60°-80°)	169.6	24.9			G0/660
FVH	(80°-90°)	7.8	1.1			G0/10
BL	(0°-30°)	28.1	4.1	B0/110		
BM	(30°-60°)	47.0	6.9	B0/220		
BH	(60°-80°)	30.3	4.4	B0/110		G0/110
BVH	(80°-90°)	2.7	0.4			G0/10
UL	(90°-100°)	0.7	0.1		U1/10	
UH	(100°-180°)	78.1	11.5		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°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
5°	170.5	166.2	162.7	159.2	154.4	149.6	146.8	144.1	141.9	139.8	138.5
10°	142.0	136.0	129.0	122.0	115.3	108.6	103.3	97.9	95.6	93.3	91.0
15°	135.9	126.2	117.7	109.2	102.1	95.0	91.0	87.0	83.7	80.4	76.9
20°	156.2	140.6	127.3	114.0	101.1	88.2	81.1	74.0	67.0	60.0	53.8
25°	190.6	166.9	144.1	121.4	100.9	80.4	68.9	57.4	46.7	35.9	30.6
30°	218.7	192.9	162.1	131.2	100.8	70.4	55.1	39.8	31.6	23.3	21.5
35°	243.0	209.5	171.8	134.0	98.8	63.6	48.3	33.0	26.4	19.9	18.6
40°	273.4	229.8	181.8	133.9	96.3	58.8	44.9	31.0	24.3	17.6	16.5
45°	290.3	246.6	189.0	131.3	94.2	57.0	42.2	27.4	22.5	17.6	16.0
50°	301.5	265.9	199.8	133.8	94.0	54.3	39.8	25.4	20.1	14.9	15.7
55°	337.3	309.3	229.6	149.9	100.4	50.8	36.6	22.4	17.3	12.1	13.2
60°	379.3	353.9	258.1	162.4	103.8	45.2	30.7	16.2	13.4	10.6	10.4
65°	382.8	329.6	239.5	149.4	92.6	35.7	24.6	13.5	11.3	9.1	8.8
70°	340.4	255.5	177.5	99.6	64.3	29.1	21.5	13.8	10.8	7.7	7.4
75°	183.3	149.9	98.4	46.9	34.4	21.9	17.0	12.1	9.1	6.1	5.8
80°	54.0	47.3	29.9	12.5	9.9	7.3	5.7	4.0	3.6	3.1	3.1
85°	0.1	0.0	0.0	0.0	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°	0.4	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	0.8	0.8	0.9	0.9	1.0	1.1	1.5	1.9	2.3
105°	1.9	2.0	2.2	2.4	2.8	3.2	3.8	4.3	5.0	5.7	6.1
110°	5.9	6.1	6.4	6.7	7.2	7.8	8.5	9.2	9.7	10.3	10.5
115°	12.6	12.5	12.9	13.2	13.8	14.3	14.7	15.1	15.4	15.7	15.9
120°	20.2	20.1	20.2	20.3	20.7	21.0	21.1	21.3	21.6	21.9	22.0
125°	26.8	26.4	26.5	26.6	26.8	26.9	27.2	27.4	27.7	27.9	28.0
130°	32.7	32.5	32.5	32.6	32.8	32.9	33.1	33.3	33.4	33.5	33.7
135°	38.6	38.3	38.3	38.3	38.6	38.9	39.0	39.1	39.2	39.3	39.6
140°	43.9	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.5	44.7	44.9
145°	49.5	49.1	49.0	48.9	49.1	49.2	49.4	49.5	49.5	49.6	49.8
150°	53.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5
155°	56.6	56.2	56.2	56.2	56.3	56.4	56.6	56.7	56.6	56.5	56.4
160°	59.7	59.4	59.3	59.3	59.2	59.0	59.0	58.9	58.9	58.9	59.1
165°	61.3	61.0	60.9	60.8	60.8	60.8	60.7	60.5	60.5	60.5	60.5
170°	62.8	62.5	62.4	62.3	62.3	62.3	62.3	62.4	62.3	62.2	61.9
175°	63.0	62.8	62.8	62.7	62.6	62.5	62.4	62.2	62.1	62.1	62.1
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
5°	137.2	136.2	135.1	134.6	134.0	134.7	135.4	134.3	134.5	137.0	139.5
10°	88.7	86.9	85.1	82.8	80.4	78.5	76.5	75.0	75.3	75.4	75.6
15°	73.4	69.8	66.2	63.3	60.3	57.8	55.2	52.8	51.1	50.2	49.3
20°	47.7	43.4	39.1	35.9	32.6	30.8	29.0	27.5	27.5	27.9	28.2
25°	25.2	23.9	22.6	21.9	21.3	20.9	20.6	20.7	20.6	20.6	20.7
30°	19.7	19.0	18.3	17.8	17.3	17.2	17.2	17.4	17.4	17.6	17.8
35°	17.2	16.5	15.8	15.4	15.0	14.7	14.5	14.4	14.6	14.9	15.1
40°	15.4	14.7	14.1	13.6	13.2	13.0	12.8	12.8	12.8	12.8	12.8
45°	14.4	13.7	13.0	12.4	11.9	11.6	11.3	11.3	11.3	11.3	11.3
50°	16.4	14.4	12.4	11.6	10.7	10.4	10.1	10.0	9.9	9.9	9.9
55°	14.2	13.4	12.5	11.1	9.8	9.5	9.2	9.1	8.9	8.8	8.8
60°	10.2	11.2	12.1	10.4	8.7	8.4	8.0	8.0	7.9	7.9	7.8
65°	8.4	8.8	9.1	8.4	7.7	7.3	6.9	6.9	6.9	6.9	7.0
70°	7.0	6.9	6.8	6.6	6.4	6.2	6.0	5.9	6.0	6.1	6.2
75°	5.5	5.5	5.5	5.3	5.1	4.9	4.7	4.8	4.9	5.1	5.2
80°	3.1	3.3	3.5	3.5	3.5	3.4	3.3	3.3	3.6	3.7	3.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.3	1.7
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°	2.6	2.5	2.3	2.2	2.1	1.9	1.7	1.7	1.7	1.9	2.1
105°	6.5	6.4	6.3	6.1	5.8	5.7	5.5	5.5	5.5	5.7	5.8
110°	10.8	10.8	10.9	10.8	10.7	10.6	10.4	10.5	10.4	10.6	10.7
115°	16.1	16.2	16.4	16.2	16.1	16.0	15.9	16.0	15.9	16.0	16.1
120°	22.1	22.3	22.5	22.3	22.0	22.0	21.9	21.9	21.9	22.0	22.0
125°	28.2	28.3	28.3	28.1	27.9	27.9	27.9	27.9	27.9	27.9	27.9
130°	33.9	34.1	34.3	34.3	34.3	34.2	34.1	34.2	34.1	34.2	34.3
135°	39.9	40.1	40.3	40.3	40.2	40.4	40.5	40.6	40.5	40.4	40.2
140°	45.0	45.1	45.2	45.3	45.3	45.6	45.8	46.0	45.8	45.6	45.3
145°	50.0	50.3	50.6	50.5	50.5	50.3	50.2	50.4	50.2	50.3	50.5
150°	53.7	53.8	54.0	54.1	54.3	54.4	54.5	54.9	54.5	54.4	54.3
155°	56.3	56.5	56.8	57.0	57.2	57.3	57.4	57.7	57.4	57.3	57.2
160°	59.2	59.5	59.7	59.6	59.5	59.4	59.4	59.9	59.4	59.4	59.5
165°	60.5	60.7	60.9	61.0	61.2	61.1	61.0	61.4	61.0	61.1	61.2
170°	61.7	61.9	62.0	62.2	62.4	62.5	62.6	63.1	62.6	62.5	62.4
175°	62.1	62.3	62.5	62.6	62.6	62.5	62.4	62.9	62.4	62.5	62.6
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
5°	140.0	140.6	141.9	143.2	142.5	141.8	143.4	145.0	144.4	143.8	145.1
10°	77.6	79.7	82.2	84.7	87.2	89.7	89.7	89.7	89.8	89.8	88.7
15°	48.3	47.2	47.3	47.3	48.2	49.0	49.5	50.0	49.9	49.9	50.7
20°	29.0	29.7	29.3	28.9	29.3	29.6	29.7	29.7	30.3	31.0	31.5
25°	20.9	21.2	21.6	22.1	22.5	22.9	22.7	22.5	22.3	22.0	21.4
30°	17.9	18.1	18.4	18.7	19.2	19.6	19.3	19.0	18.6	18.1	17.8
35°	15.4	15.7	15.9	16.1	16.4	16.8	16.6	16.4	16.1	15.7	15.4
40°	13.1	13.3	13.6	13.9	14.2	14.5	14.3	14.2	13.7	13.2	12.9
45°	11.2	11.2	11.4	11.6	12.3	12.9	12.4	12.0	11.6	11.2	11.1
50°	9.8	9.8	9.9	9.9	10.2	10.4	10.3	10.2	10.0	9.8	9.8
55°	8.8	8.8	8.8	8.9	9.1	9.3	9.3	9.2	9.1	9.0	9.0
60°	7.9	8.0	8.0	8.1	8.4	8.6	8.6	8.5	8.4	8.4	8.3
65°	7.1	7.1	7.2	7.2	7.5	7.8	7.8	7.7	7.8	7.8	7.9
70°	6.2	6.2	6.2	6.3	6.7	7.1	7.0	6.9	7.0	7.2	7.4
75°	5.1	5.1	5.2	5.3	5.7	6.2	6.0	5.8	6.0	6.2	6.4
80°	3.7	3.8	4.0	4.1	4.4	4.7	4.6	4.5	4.5	4.6	4.8
85°	1.9	2.1	2.4	2.6	2.6	2.6	2.9	3.1	3.0	2.9	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	2.2	2.3	2.5	2.6	2.3	1.9	1.5	1.1	1.0	0.9	0.9
105°	6.1	6.3	6.4	6.5	6.1	5.7	5.0	4.3	3.8	3.2	2.8
110°	10.8	10.9	10.8	10.8	10.5	10.3	9.7	9.2	8.5	7.8	7.2
115°	16.2	16.4	16.2	16.1	15.9	15.7	15.4	15.1	14.7	14.3	13.8
120°	22.3	22.5	22.3	22.1	22.0	21.9	21.6	21.3	21.1	21.0	20.7
125°	28.1	28.3	28.3	28.2	28.0	27.9	27.7	27.4	27.2	26.9	26.8
130°	34.3	34.3	34.1	33.9	33.7	33.5	33.4	33.3	33.1	32.9	32.8
135°	40.3	40.3	40.1	39.9	39.6	39.3	39.2	39.1	39.0	38.9	38.6
140°	45.3	45.2	45.1	45.0	44.9	44.7	44.5	44.2	44.1	44.0	43.9
145°	50.5	50.6	50.3	50.0	49.8	49.6	49.5	49.5	49.4	49.2	49.1
150°	54.1	54.0	53.9	53.7	53.5	53.4	53.4	53.4	53.4	53.4	53.4
155°	57.0	56.8	56.6	56.3	56.4	56.5	56.6	56.7	56.6	56.4	56.3
160°	59.6	59.7	59.5	59.2	59.1	58.9	58.9	58.9	59.0	59.0	59.2
165°	61.0	60.9	60.7	60.5	60.5	60.5	60.5	60.5	60.7	60.8	60.8
170°	62.2	62.0	61.9	61.7	61.9	62.2	62.3	62.4	62.3	62.3	62.3
175°	62.6	62.5	62.3	62.1	62.1	62.1	62.1	62.2	62.4	62.5	62.6
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0



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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
5°	146.4	146.6	146.8	151.2	152.1	153.0	153.8	155.7	157.6	160.2	162.8
10°	87.6	86.5	85.4	85.0	87.5	89.3	91.1	93.1	95.2	99.1	103.0
15°	51.6	52.0	52.4	54.8	56.6	59.5	62.4	66.8	71.2	75.7	80.2
20°	32.0	31.7	31.4	32.0	34.4	36.9	39.4	43.3	47.2	52.0	56.8
25°	20.8	20.7	20.7	20.8	21.1	21.5	21.9	23.3	24.7	29.1	33.4
30°	17.5	17.4	17.3	17.2	17.2	17.2	17.2	17.6	18.0	19.2	20.3
35°	15.1	14.7	14.3	14.0	14.0	14.1	14.2	14.7	15.2	16.1	17.0
40°	12.6	12.4	12.3	12.2	12.2	12.4	12.5	12.9	13.4	14.1	14.8
45°	11.0	11.0	11.0	10.9	10.9	11.1	11.3	11.7	12.1	12.8	13.4
50°	9.9	9.9	9.9	9.9	10.0	10.2	10.4	11.0	11.5	13.1	14.8
55°	9.0	9.1	9.1	9.2	9.3	9.6	9.9	10.9	12.0	12.8	13.7
60°	8.3	8.4	8.5	8.5	8.5	8.8	9.1	10.2	11.4	11.2	11.0
65°	7.9	7.9	7.8	7.7	7.7	7.9	8.2	9.5	10.8	9.7	8.6
70°	7.6	7.4	7.3	7.1	7.0	7.2	7.3	7.3	7.4	7.3	7.3
75°	6.7	6.7	6.7	6.6	6.4	6.3	6.2	6.1	6.1	6.0	5.9
80°	5.0	5.1	5.3	5.4	5.1	5.0	4.9	4.7	4.6	4.4	4.3
85°	3.1	2.9	2.7	2.3	2.6	2.9	3.2	2.9	2.7	2.5	2.2
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	0.8	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1
105°	2.4	2.2	2.0	1.9	2.0	2.2	2.4	2.8	3.2	3.8	4.3
110°	6.7	6.4	6.1	5.9	6.1	6.4	6.7	7.2	7.8	8.5	9.2
115°	13.2	12.9	12.5	12.6	12.5	12.9	13.2	13.8	14.3	14.7	15.1
120°	20.3	20.2	20.1	20.2	20.1	20.2	20.3	20.7	21.0	21.1	21.3
125°	26.6	26.5	26.4	26.8	26.4	26.5	26.6	26.8	26.9	27.2	27.4
130°	32.6	32.5	32.5	32.7	32.5	32.5	32.6	32.8	32.9	33.1	33.3
135°	38.3	38.3	38.3	38.6	38.3	38.3	38.3	38.6	38.9	39.0	39.1
140°	43.8	43.7	43.6	43.9	43.6	43.7	43.8	43.9	44.0	44.1	44.2
145°	48.9	49.0	49.1	49.5	49.1	49.0	48.9	49.1	49.2	49.4	49.5
150°	53.4	53.3	53.3	53.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4
155°	56.2	56.2	56.2	56.6	56.2	56.2	56.2	56.3	56.4	56.6	56.7
160°	59.3	59.3	59.4	59.7	59.4	59.3	59.3	59.2	59.0	59.0	58.9
165°	60.8	60.9	61.0	61.3	61.0	60.9	60.8	60.8	60.8	60.7	60.5
170°	62.3	62.4	62.5	62.8	62.5	62.4	62.3	62.3	62.3	62.3	62.4
175°	62.7	62.8	62.8	63.0	62.8	62.8	62.7	62.6	62.5	62.4	62.2
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0



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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2
5°	165.4	168.0	171.0	174.1	177.6	181.1	184.8	188.6	192.7	196.8	200.4
10°	108.8	114.5	119.5	124.5	130.7	136.9	143.6	150.3	157.0	163.6	173.2
15°	84.3	88.3	92.5	96.7	103.0	109.4	118.3	127.1	137.6	148.0	156.8
20°	62.5	68.2	75.2	82.1	91.6	101.1	115.5	130.0	147.2	164.4	177.1
25°	40.3	47.2	57.3	67.4	81.0	94.6	117.7	140.9	167.8	194.6	211.4
30°	25.2	30.0	42.6	55.2	70.9	86.5	121.2	155.9	190.3	224.7	240.3
35°	19.8	22.7	33.5	44.2	60.4	76.5	120.1	163.8	205.7	247.6	262.0
40°	16.5	18.3	27.3	36.3	52.3	68.3	118.1	167.9	220.7	273.5	291.7
45°	15.4	17.5	22.9	28.3	44.5	60.7	114.6	168.5	231.8	295.1	314.5
50°	15.4	16.1	20.8	25.5	40.5	55.6	111.4	167.1	237.2	307.3	322.0
55°	13.3	12.9	18.6	24.4	38.6	52.8	115.5	178.2	254.3	330.4	335.7
60°	10.7	10.5	14.7	19.0	35.2	51.4	120.4	189.5	273.1	356.7	371.2
65°	8.8	8.9	11.5	14.1	31.3	48.6	119.8	190.9	253.4	315.8	351.5
70°	7.5	7.7	10.4	13.0	24.5	36.0	93.8	151.5	205.9	260.3	307.0
75°	6.2	6.5	9.3	12.0	20.6	29.2	60.6	91.9	132.9	173.8	230.8
80°	4.6	4.8	6.6	8.4	13.5	18.5	29.3	40.1	66.9	93.8	113.4
85°	2.3	2.4	2.9	3.5	4.3	5.1	5.8	6.5	12.8	19.2	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
100°	1.5	1.9	2.3	2.6	2.5	2.3	2.2	2.1	1.9	1.7	1.7
105°	5.0	5.7	6.1	6.5	6.4	6.3	6.1	5.8	5.7	5.5	5.5
110°	9.7	10.3	10.5	10.8	10.8	10.9	10.8	10.7	10.6	10.4	10.5
115°	15.4	15.7	15.9	16.1	16.2	16.4	16.2	16.1	16.0	15.9	16.0
120°	21.6	21.9	22.0	22.1	22.3	22.5	22.3	22.0	22.0	21.9	21.9
125°	27.7	27.9	28.0	28.2	28.3	28.3	28.1	27.9	27.9	27.9	27.9
130°	33.4	33.5	33.7	33.9	34.1	34.3	34.3	34.3	34.2	34.1	34.2
135°	39.2	39.3	39.6	39.9	40.1	40.3	40.3	40.2	40.4	40.5	40.6
140°	44.5	44.7	44.9	45.0	45.1	45.2	45.3	45.3	45.6	45.8	46.0
145°	49.5	49.6	49.8	50.0	50.3	50.6	50.5	50.5	50.3	50.2	50.4
150°	53.4	53.4	53.5	53.7	53.9	54.0	54.1	54.3	54.4	54.5	54.9
155°	56.6	56.5	56.4	56.3	56.6	56.8	57.0	57.2	57.3	57.4	57.7
160°	58.9	58.9	59.1	59.2	59.5	59.7	59.6	59.5	59.4	59.4	59.9
165°	60.5	60.5	60.5	60.5	60.7	60.9	61.0	61.2	61.1	61.0	61.4
170°	62.3	62.2	61.9	61.7	61.9	62.0	62.2	62.4	62.5	62.6	63.1
175°	62.1	62.1	62.1	62.1	62.3	62.5	62.6	62.6	62.5	62.4	62.9
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	187.2	0°
5°	203.8	207.1	210.4	211.4	212.3	212.6	212.9	211.2	209.5	206.0	202.6	5°
10°	180.5	188.2	196.0	200.8	205.6	207.2	208.8	208.2	207.6	202.7	197.9	10°
15°	164.8	170.9	176.9	180.4	183.8	184.1	184.4	184.9	185.5	184.9	184.3	15°
20°	182.6	179.3	176.0	172.2	168.3	166.0	163.6	163.5	163.4	166.6	169.8	20°
25°	214.4	203.2	192.0	178.1	164.1	158.9	153.7	153.8	153.9	157.8	161.7	25°
30°	239.5	224.1	208.6	190.6	172.7	163.7	154.7	155.0	155.3	160.5	165.7	30°
35°	254.8	237.8	220.9	201.9	182.9	171.8	160.7	161.4	162.2	169.4	176.5	35°
40°	271.4	250.1	228.9	211.4	193.9	186.2	178.4	180.2	182.1	189.5	196.9	40°
45°	284.1	258.1	232.2	223.7	215.1	218.0	220.9	224.0	227.1	231.0	234.9	45°
50°	286.6	267.3	247.9	254.5	261.0	270.9	280.8	285.0	289.2	287.6	285.9	50°
55°	302.0	289.5	277.1	293.0	309.0	324.2	339.3	339.9	340.5	335.6	330.8	55°
60°	355.2	340.2	325.2	338.5	351.8	365.1	378.5	378.1	377.7	370.4	363.2	60°
65°	375.2	375.2	375.2	378.0	380.8	389.7	398.7	395.1	391.5	384.3	377.2	65°
70°	336.8	362.7	388.7	360.6	332.6	323.5	314.4	312.6	310.8	303.1	295.4	70°
75°	257.8	270.8	283.7	243.1	202.4	187.3	172.1	173.5	174.9	166.7	158.6	75°
80°	130.5	135.5	140.4	115.1	89.9	89.5	89.2	85.4	81.5	80.2	78.9	80°
85°	17.9	19.1	20.4	15.6	10.7	6.9	3.0	1.5	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	1.9	2.1	2.2	2.3	2.5	2.6	2.3	1.9	1.5	1.1	100°
105°	5.5	5.7	5.8	6.1	6.3	6.4	6.5	6.1	5.7	5.0	4.3	105°
110°	10.4	10.6	10.7	10.8	10.9	10.8	10.8	10.5	10.3	9.7	9.2	110°
115°	15.9	16.0	16.1	16.2	16.4	16.2	16.1	15.9	15.7	15.4	15.1	115°
120°	21.9	22.0	22.0	22.3	22.5	22.3	22.1	22.0	21.9	21.6	21.3	120°
125°	27.9	27.9	27.9	28.1	28.3	28.3	28.2	28.0	27.9	27.7	27.4	125°
130°	34.1	34.2	34.3	34.3	34.3	34.1	33.9	33.7	33.5	33.4	33.3	130°
135°	40.5	40.4	40.2	40.3	40.3	40.1	39.9	39.6	39.3	39.2	39.1	135°
140°	45.8	45.6	45.3	45.3	45.2	45.1	45.0	44.9	44.7	44.5	44.2	140°
145°	50.2	50.3	50.5	50.5	50.6	50.3	50.0	49.8	49.6	49.5	49.5	145°
150°	54.5	54.4	54.3	54.1	54.0	53.8	53.7	53.5	53.4	53.4	53.4	150°
155°	57.4	57.3	57.2	57.0	56.8	56.5	56.3	56.4	56.5	56.6	56.7	155°
160°	59.4	59.4	59.5	59.6	59.7	59.5	59.2	59.1	58.9	58.9	58.9	160°
165°	61.0	61.1	61.2	61.0	60.9	60.7	60.5	60.5	60.5	60.5	60.5	165°
170°	62.6	62.5	62.4	62.2	62.0	61.9	61.7	61.9	62.2	62.3	62.4	170°
175°	62.4	62.5	62.6	62.6	62.5	62.3	62.1	62.1	62.1	62.1	62.2	175°
180°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
187.2	187.2	187.2	187.2	187.2	187.2	187.2
199.0	195.4	190.3	185.1	180.7	176.3	170.5
190.3	182.7	174.2	165.7	157.8	150.0	142.0
180.7	177.2	170.0	162.8	154.7	146.5	135.9
174.7	179.6	180.9	182.2	176.3	170.4	156.2
173.9	186.0	196.4	206.9	206.4	205.9	190.6
177.8	190.0	205.5	220.9	229.2	237.5	218.7
187.2	197.9	213.9	229.8	246.7	263.5	243.0
205.2	213.5	228.2	243.0	268.0	293.0	273.4
232.9	230.8	237.7	244.6	272.3	299.9	290.3
271.6	257.2	248.7	240.2	269.8	299.5	301.5
306.7	282.7	269.7	256.7	287.1	317.5	337.3
341.7	320.2	310.0	299.8	333.6	367.5	379.3
365.8	354.5	361.8	369.1	391.4	413.7	382.8
303.4	311.3	351.0	390.7	389.9	389.0	340.4
167.6	176.6	222.4	268.2	247.6	227.0	183.3
72.7	66.5	80.6	94.7	83.6	72.6	54.0
0.0	0.0	0.0	0.0	0.0	0.1	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	0.9	0.8	0.8	0.7	0.7
3.8	3.2	2.8	2.4	2.2	2.0	1.9
8.5	7.8	7.2	6.7	6.4	6.1	5.9
14.7	14.3	13.8	13.2	12.9	12.5	12.6
21.1	21.0	20.7	20.3	20.2	20.1	20.2
27.2	26.9	26.8	26.6	26.5	26.4	26.8
33.1	32.9	32.8	32.6	32.5	32.5	32.7
39.0	38.9	38.6	38.3	38.3	38.3	38.6
44.1	44.0	43.9	43.8	43.7	43.6	43.9
49.4	49.2	49.1	48.9	49.0	49.1	49.5
53.4	53.4	53.4	53.4	53.3	53.3	53.5
56.6	56.4	56.3	56.2	56.2	56.2	56.6
59.0	59.0	59.2	59.3	59.3	59.4	59.7
60.7	60.8	60.8	60.8	60.9	61.0	61.3
62.3	62.3	62.3	62.3	62.4	62.5	62.8
62.4	62.5	62.6	62.7	62.8	62.8	63.0
63.0	63.0	63.0	63.0	63.0	63.0	63.0

(END OF REPORT)