

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: P400781

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

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P400781
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-HSS-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 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 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

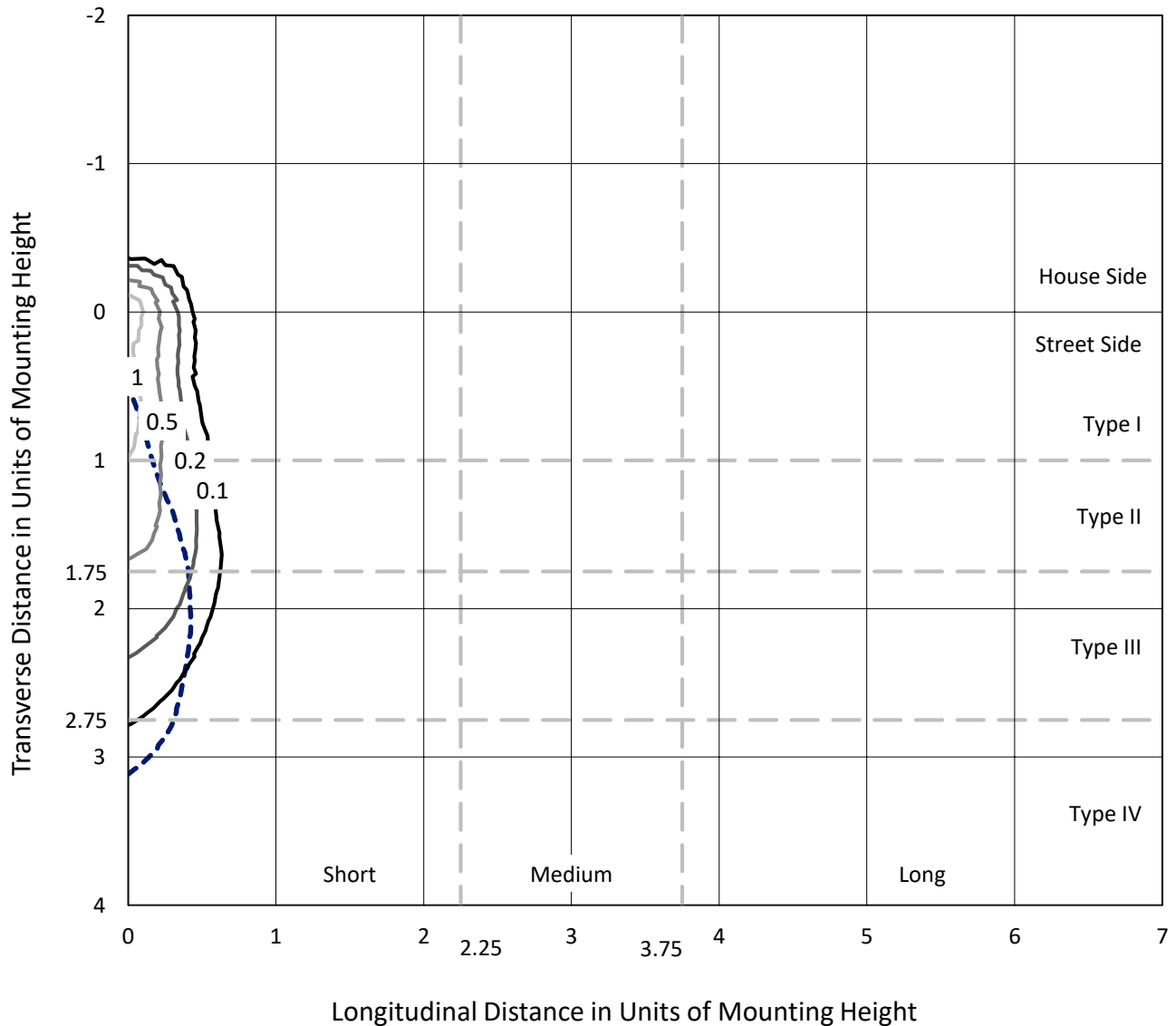


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

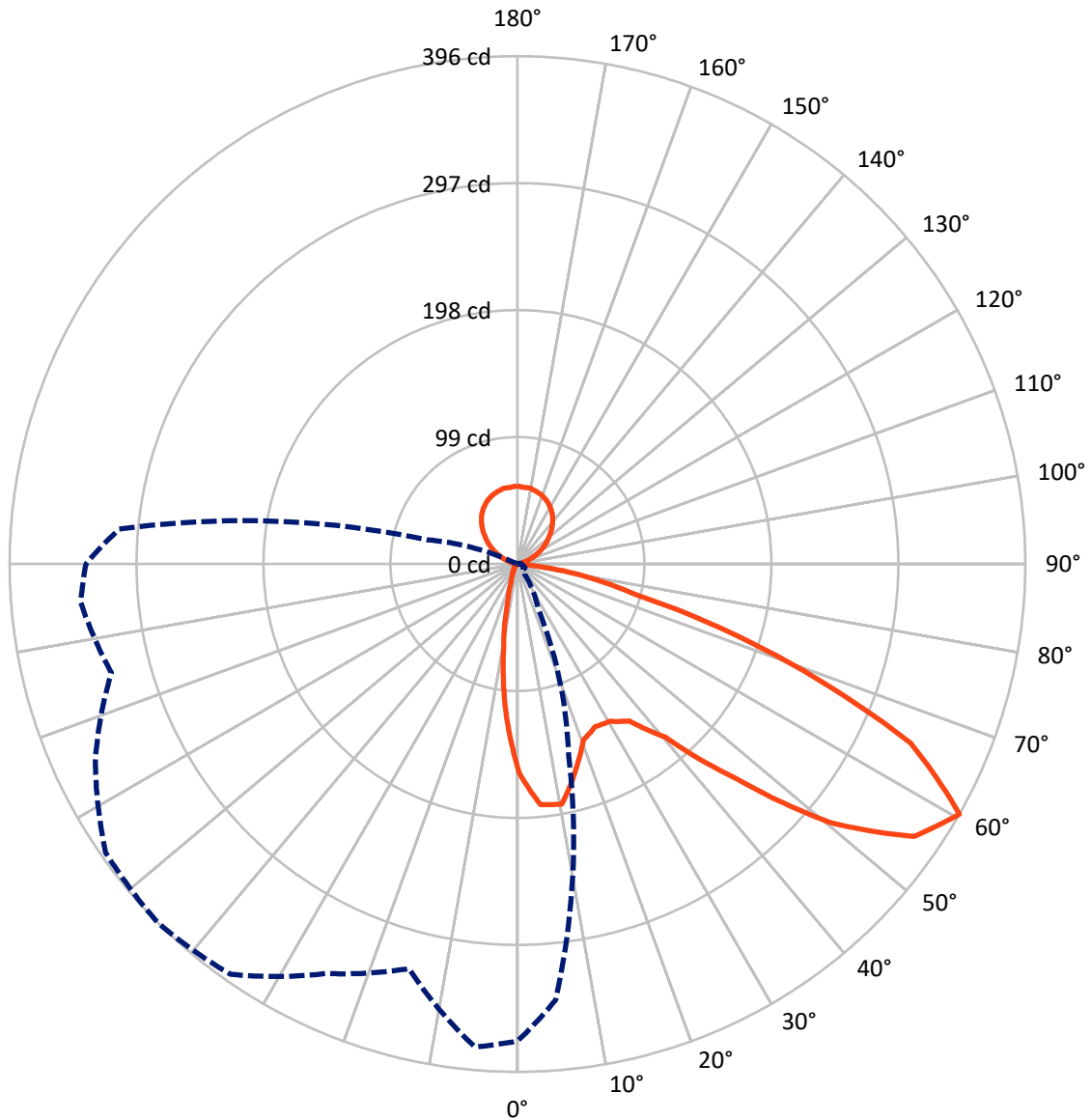


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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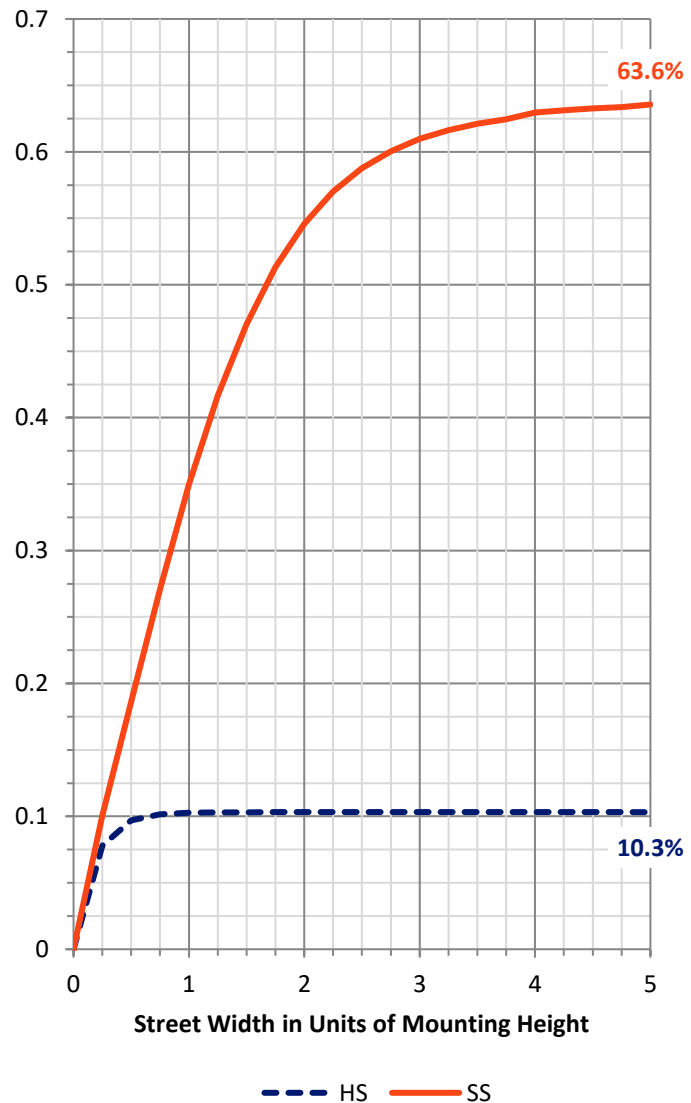
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.7	75.4	136.1
	% Fixture	10.5	13.0	23.5
Street Side	Lumens	368.5	75.4	443.9
	% Fixture	63.5	13.0	76.5
Total	Lumens	429.2	150.8	580.0
	% Fixture	74.0	26.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	2.1
10°-20°	23.5	4.1
20°-30°	32.3	5.6
30°-40°	46.7	8.1
40°-50°	67.0	11.5
50°-60°	96.7	16.7
60°-70°	103.5	17.8
70°-80°	43.5	7.5
80°-90°	3.6	0.6
90°-100°	0.7	0.1
100°-110°	5.1	0.9
110°-120°	14.5	2.5
120°-130°	23.7	4.1
130°-140°	29.2	5.0
140°-150°	29.9	5.2
150°-160°	25.2	4.3
160°-170°	16.6	2.9
170°-180°	5.8	1.0
0°-90°	429.2	74.0
0°-180°	580.0	100.0



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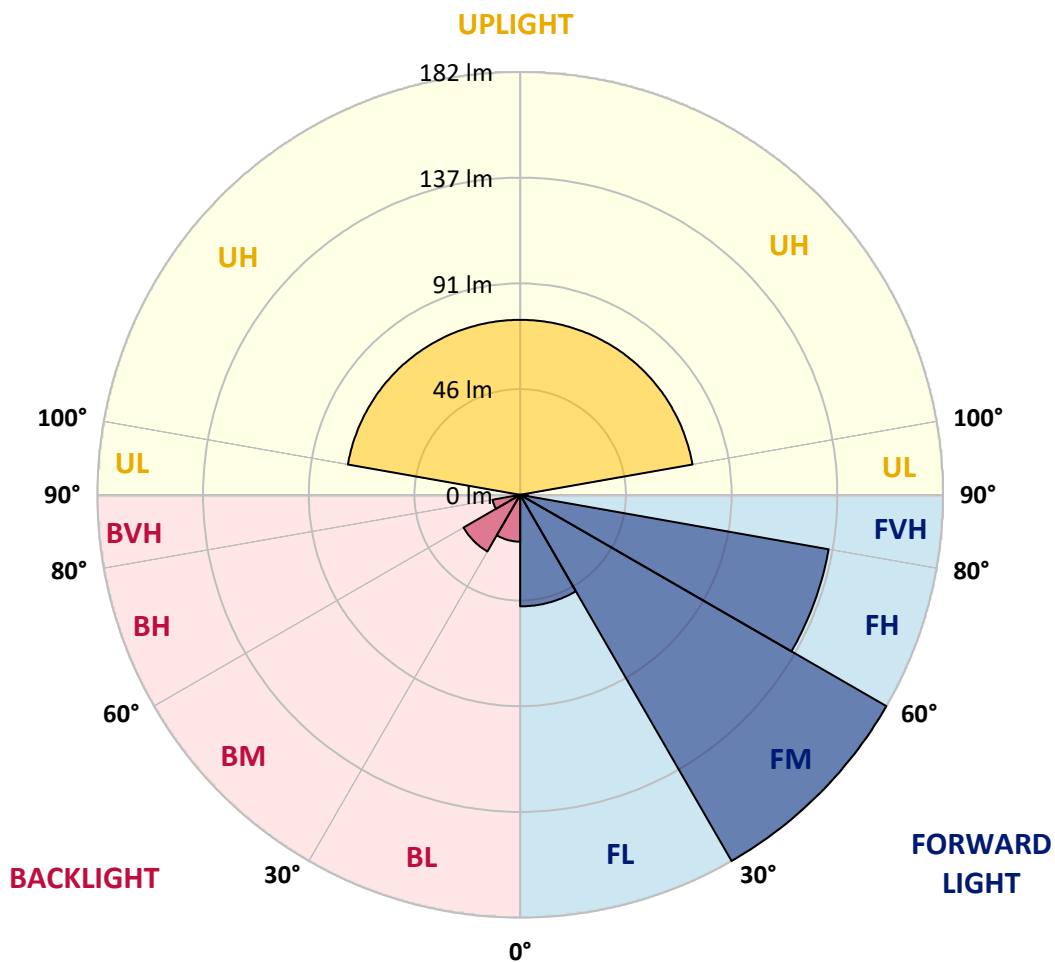
CATALOG NUMBER: ENV-SA1-740-U-SLR-HSS-ULG-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	48.0	8.3			
FM (30°-60°)	182.2	31.4			
FH (60°-80°)	135.0	23.3			G0/660
FVH (80°-90°)	3.3	0.6			G0/10
BL (0°-30°)	20.2	3.5	B0/110		
BM (30°-60°)	28.2	4.9	B0/220		
BH (60°-80°)	12.1	2.1	B0/110		G0/110
BVH (80°-90°)	0.3	0.1			G0/10
UL (90°-100°)	0.7	0.1		U1/10	
UH (100°-180°)	75.4	13.0		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°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
5°	149.1	145.9	141.8	137.6	133.9	130.1	126.4	122.7	120.0	117.3	114.8
10°	124.6	118.2	111.2	104.2	97.7	91.3	87.4	83.4	80.9	78.5	76.1
15°	120.0	111.3	103.1	94.9	87.9	80.9	76.3	71.7	68.0	64.2	60.4
20°	140.1	125.1	111.8	98.4	85.5	72.6	64.6	56.5	49.6	42.7	36.4
25°	175.7	154.2	130.4	106.5	85.5	64.4	52.0	39.6	30.6	21.6	18.8
30°	202.9	178.4	146.4	114.4	84.4	54.3	40.9	27.5	21.9	16.3	14.8
35°	228.7	196.6	156.3	116.0	82.6	49.2	36.5	23.8	18.4	13.1	11.8
40°	257.6	215.7	165.0	114.3	80.6	47.0	34.7	22.4	16.8	11.2	10.2
45°	277.0	234.5	173.6	112.8	79.6	46.4	33.2	19.9	15.7	11.4	10.1
50°	302.9	265.4	194.7	123.9	84.3	44.7	31.6	18.4	14.0	9.5	10.0
55°	346.9	319.3	232.8	146.3	94.7	43.0	29.3	15.7	11.6	7.6	8.3
60°	371.7	341.0	247.6	154.2	95.9	37.6	24.0	10.4	8.4	6.3	6.1
65°	356.0	293.5	209.2	124.9	77.3	29.7	19.9	10.2	7.4	4.7	4.4
70°	267.2	207.0	140.5	74.0	49.7	25.3	18.1	11.0	7.2	3.4	3.2
75°	82.5	75.2	50.3	25.3	19.5	13.7	9.9	6.2	4.2	2.2	2.3
80°	3.8	3.1	2.5	2.0	1.6	1.3	1.1	0.9	0.8	0.8	0.8
85°	0.0	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	0.7	0.8	0.8	0.9	1.0	1.0	1.4	1.8	2.2
105°	1.8	1.9	2.1	2.3	2.7	3.1	3.7	4.2	4.8	5.5	5.9
110°	5.7	5.9	6.2	6.4	7.0	7.6	8.2	8.9	9.4	9.9	10.2
115°	12.2	12.1	12.4	12.8	13.3	13.8	14.2	14.6	14.9	15.1	15.3
120°	19.5	19.4	19.5	19.6	19.9	20.2	20.4	20.6	20.8	21.1	21.2
125°	25.9	25.5	25.6	25.7	25.8	26.0	26.2	26.5	26.7	26.9	27.1
130°	31.5	31.3	31.4	31.4	31.6	31.8	32.0	32.1	32.2	32.3	32.5
135°	37.2	37.0	37.0	37.0	37.3	37.5	37.6	37.8	37.9	37.9	38.2
140°	42.4	42.1	42.2	42.3	42.4	42.5	42.6	42.6	42.9	43.2	43.3
145°	47.8	47.4	47.3	47.2	47.4	47.5	47.6	47.8	47.8	47.8	48.1
150°	51.7	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7
155°	54.6	54.3	54.3	54.3	54.4	54.4	54.6	54.7	54.6	54.5	54.4
160°	57.6	57.3	57.3	57.2	57.1	57.0	56.9	56.9	56.9	56.9	57.0
165°	59.1	58.9	58.8	58.7	58.7	58.7	58.6	58.4	58.4	58.4	58.4
170°	60.6	60.4	60.2	60.1	60.1	60.1	60.1	60.2	60.1	60.0	59.8
175°	60.8	60.6	60.6	60.5	60.4	60.4	60.2	60.0	60.0	59.9	59.9
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
5°	112.2	111.4	110.5	108.8	107.1	108.1	109.2	109.2	107.4	109.2	110.9
10°	73.7	71.3	68.8	66.4	63.9	62.0	60.0	58.0	56.5	55.9	55.3
15°	56.5	52.9	49.2	46.0	42.7	40.4	38.0	36.0	33.7	33.1	32.6
20°	30.1	26.4	22.8	20.4	18.0	17.1	16.3	15.6	15.1	15.1	15.1
25°	16.0	14.9	13.8	13.1	12.4	11.9	11.4	11.1	11.0	10.7	10.4
30°	13.3	12.4	11.4	10.6	9.8	9.4	9.0	8.8	8.7	8.3	8.0
35°	10.5	9.6	8.7	8.1	7.6	7.2	6.9	6.5	6.5	6.4	6.3
40°	9.3	8.4	7.6	7.0	6.4	5.9	5.5	5.2	4.8	4.5	4.2
45°	8.8	8.0	7.1	6.4	5.6	5.2	4.8	4.3	4.0	3.6	3.2
50°	10.4	8.7	7.0	6.2	5.3	4.8	4.2	3.9	3.5	3.1	2.6
55°	9.1	8.0	7.0	5.8	4.7	4.2	3.8	3.5	3.1	2.6	2.1
60°	5.9	6.2	6.5	5.2	3.8	3.4	3.1	2.8	2.5	2.1	1.6
65°	4.2	4.3	4.4	3.7	3.0	2.6	2.3	2.1	1.9	1.5	1.2
70°	3.1	3.0	2.9	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.8
75°	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.5
80°	0.8	0.9	1.0	1.1	1.1	0.8	0.6	0.5	0.4	0.2	0.0
85°	0.0	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°	0.6	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	1.6	1.6	1.6	1.8	2.0
105°	6.3	6.2	6.1	5.9	5.6	5.5	5.3	5.3	5.3	5.5	5.6
110°	10.4	10.5	10.5	10.4	10.3	10.2	10.1	10.2	10.1	10.2	10.3
115°	15.5	15.7	15.8	15.7	15.5	15.5	15.4	15.5	15.4	15.5	15.5
120°	21.4	21.5	21.7	21.5	21.3	21.2	21.1	21.1	21.1	21.2	21.3
125°	27.2	27.3	27.4	27.1	26.9	26.9	26.9	26.9	26.9	26.9	26.9
130°	32.7	32.9	33.1	33.1	33.1	33.0	32.9	33.0	32.9	33.0	33.1
135°	38.5	38.7	38.9	38.9	38.8	38.9	39.1	39.2	39.1	38.9	38.8
140°	43.4	43.5	43.6	43.7	43.8	44.0	44.2	44.4	44.2	44.0	43.8
145°	48.3	48.5	48.8	48.8	48.7	48.6	48.5	48.6	48.5	48.6	48.7
150°	51.8	52.0	52.1	52.2	52.4	52.5	52.6	53.0	52.6	52.5	52.4
155°	54.4	54.6	54.8	55.0	55.2	55.3	55.4	55.7	55.4	55.3	55.2
160°	57.1	57.4	57.7	57.5	57.4	57.4	57.3	57.8	57.3	57.4	57.4
165°	58.4	58.6	58.8	58.9	59.0	59.0	58.9	59.2	58.9	59.0	59.0
170°	59.6	59.7	59.8	60.1	60.3	60.4	60.4	60.9	60.4	60.4	60.3
175°	59.9	60.1	60.4	60.4	60.4	60.4	60.3	60.7	60.3	60.4	60.4
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
5°	112.1	113.3	114.8	116.3	115.8	115.4	117.1	118.9	118.7	118.5	119.5
10°	56.7	58.2	59.8	61.4	63.1	64.9	65.1	65.4	66.0	66.6	64.9
15°	31.6	30.6	30.2	29.8	29.7	29.6	29.8	30.1	29.5	28.9	28.8
20°	15.5	16.0	15.8	15.7	15.4	15.0	14.0	13.0	11.9	10.8	10.2
25°	10.2	9.9	10.0	10.1	9.9	9.7	8.9	8.1	7.6	7.0	6.8
30°	7.8	7.6	7.5	7.5	7.3	7.1	6.5	5.9	5.6	5.3	5.1
35°	6.2	6.0	5.9	5.7	5.3	4.9	4.6	4.3	4.0	3.7	3.6
40°	4.0	3.9	3.9	4.0	3.8	3.7	3.3	3.0	2.6	2.3	2.1
45°	2.9	2.5	2.3	2.1	2.2	2.4	2.1	1.8	1.4	1.1	1.0
50°	2.2	1.7	1.4	1.1	1.0	0.9	0.9	0.8	0.6	0.3	0.2
55°	1.7	1.3	1.0	0.7	0.5	0.3	0.2	0.1	0.0	0.0	0.0
60°	1.2	0.8	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	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°	0.7	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°	10.4	10.5	10.5	10.4	10.2	9.9	9.4	8.9	8.2	7.6	7.0
115°	15.7	15.8	15.7	15.5	15.3	15.1	14.9	14.6	14.2	13.8	13.3
120°	21.5	21.7	21.5	21.4	21.2	21.1	20.8	20.6	20.4	20.2	19.9
125°	27.1	27.4	27.3	27.2	27.1	26.9	26.7	26.5	26.2	26.0	25.8
130°	33.1	33.1	32.9	32.7	32.5	32.3	32.2	32.1	32.0	31.8	31.6
135°	38.9	38.9	38.7	38.5	38.2	37.9	37.9	37.8	37.6	37.5	37.3
140°	43.7	43.6	43.5	43.4	43.3	43.2	42.9	42.6	42.6	42.5	42.4
145°	48.8	48.8	48.5	48.3	48.1	47.8	47.8	47.8	47.6	47.5	47.4
150°	52.2	52.1	52.0	51.8	51.7	51.5	51.5	51.5	51.5	51.5	51.5
155°	55.0	54.8	54.6	54.4	54.4	54.5	54.6	54.7	54.6	54.4	54.4
160°	57.5	57.7	57.4	57.1	57.0	56.9	56.9	56.9	56.9	57.0	57.1
165°	58.9	58.8	58.6	58.4	58.4	58.4	58.4	58.4	58.6	58.7	58.7
170°	60.1	59.8	59.7	59.6	59.8	60.0	60.1	60.2	60.1	60.1	60.1
175°	60.4	60.4	60.1	59.9	59.9	59.9	60.0	60.0	60.2	60.4	60.4
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8



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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
5°	120.5	122.1	123.7	122.4	125.8	127.9	130.0	131.3	132.7	136.4	140.2
10°	63.2	63.9	64.6	65.3	66.9	67.8	68.8	72.2	75.6	79.5	83.4
15°	28.7	28.2	27.8	28.4	30.9	33.6	36.3	41.0	45.8	52.0	58.2
20°	9.7	9.5	9.3	9.5	9.6	10.2	10.8	12.3	13.8	18.5	23.2
25°	6.5	6.5	6.5	6.5	6.6	6.7	6.9	7.2	7.6	8.3	9.1
30°	4.9	4.9	4.8	4.8	4.8	5.0	5.2	5.5	5.8	6.2	6.6
35°	3.4	3.4	3.3	3.3	3.4	3.5	3.7	3.9	4.1	4.4	4.8
40°	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.5	2.7	3.0	3.2
45°	0.8	0.8	0.8	0.8	0.8	1.0	1.1	1.4	1.6	1.9	2.2
50°	0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.6	0.8	1.7	2.6
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0
85°	0.0	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°	0.5	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°	2.3	2.1	1.9	1.8	1.9	2.1	2.3	2.7	3.1	3.7	4.2
110°	6.4	6.2	5.9	5.7	5.9	6.2	6.4	7.0	7.6	8.2	8.9
115°	12.8	12.4	12.1	12.2	12.1	12.4	12.8	13.3	13.8	14.2	14.6
120°	19.6	19.5	19.4	19.5	19.4	19.5	19.6	19.9	20.2	20.4	20.6
125°	25.7	25.6	25.5	25.9	25.5	25.6	25.7	25.8	26.0	26.2	26.5
130°	31.4	31.4	31.3	31.5	31.3	31.4	31.4	31.6	31.8	32.0	32.1
135°	37.0	37.0	37.0	37.2	37.0	37.0	37.0	37.3	37.5	37.6	37.8
140°	42.3	42.2	42.1	42.4	42.1	42.2	42.3	42.4	42.5	42.6	42.6
145°	47.2	47.3	47.4	47.8	47.4	47.3	47.2	47.4	47.5	47.6	47.8
150°	51.5	51.5	51.4	51.7	51.4	51.5	51.5	51.5	51.5	51.5	51.5
155°	54.3	54.3	54.3	54.6	54.3	54.3	54.3	54.4	54.4	54.6	54.7
160°	57.2	57.3	57.3	57.6	57.3	57.3	57.2	57.1	57.0	56.9	56.9
165°	58.7	58.8	58.9	59.1	58.9	58.8	58.7	58.7	58.7	58.6	58.4
170°	60.1	60.2	60.4	60.6	60.4	60.2	60.1	60.1	60.1	60.1	60.2
175°	60.5	60.6	60.6	60.8	60.6	60.6	60.5	60.4	60.4	60.2	60.0
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
5°	142.2	144.3	148.8	153.2	156.7	160.1	164.2	168.2	171.9	175.5	179.5
10°	87.9	92.4	98.9	105.4	112.5	119.5	126.3	133.0	139.7	146.3	155.6
15°	63.8	69.3	73.9	78.5	85.5	92.5	101.8	111.0	121.6	132.2	142.0
20°	31.6	40.1	50.8	61.6	72.4	83.2	97.8	112.5	130.7	148.9	161.2
25°	11.6	14.2	26.2	38.2	56.8	75.5	99.4	123.3	150.6	177.9	196.1
30°	7.3	8.0	12.7	17.4	37.7	58.0	98.7	139.5	174.9	210.4	223.2
35°	5.1	5.3	6.9	8.5	20.7	32.9	89.0	145.0	189.3	233.6	245.6
40°	3.5	3.7	4.7	5.6	11.8	18.1	76.7	135.4	198.9	262.5	277.8
45°	2.9	3.7	3.6	3.6	6.0	8.5	59.5	110.6	196.4	282.3	303.1
50°	2.7	2.7	2.3	2.0	2.7	3.5	46.6	89.6	191.6	293.6	307.9
55°	1.1	1.1	1.2	1.3	1.8	2.4	44.6	86.8	198.7	310.6	322.7
60°	0.3	0.4	0.6	0.8	1.4	2.0	37.4	72.9	192.2	311.5	336.2
65°	0.0	0.1	0.2	0.3	0.8	1.2	26.0	50.8	157.6	264.5	300.0
70°	0.0	0.0	0.0	0.0	0.2	0.3	10.5	20.7	103.3	185.9	232.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	39.1	74.3	130.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	15.8	31.0	54.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
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	0.6	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	1.6	1.6
105°	4.8	5.5	5.9	6.3	6.2	6.1	5.9	5.6	5.5	5.3	5.3
110°	9.4	9.9	10.2	10.4	10.5	10.5	10.4	10.3	10.2	10.1	10.2
115°	14.9	15.1	15.3	15.5	15.7	15.8	15.7	15.5	15.5	15.4	15.5
120°	20.8	21.1	21.2	21.4	21.5	21.7	21.5	21.3	21.2	21.1	21.1
125°	26.7	26.9	27.1	27.2	27.3	27.4	27.1	26.9	26.9	26.9	26.9
130°	32.2	32.3	32.5	32.7	32.9	33.1	33.1	33.1	33.0	32.9	33.0
135°	37.9	37.9	38.2	38.5	38.7	38.9	38.9	38.8	38.9	39.1	39.2
140°	42.9	43.2	43.3	43.4	43.5	43.6	43.7	43.8	44.0	44.2	44.4
145°	47.8	47.8	48.1	48.3	48.5	48.8	48.8	48.7	48.6	48.5	48.6
150°	51.5	51.5	51.7	51.8	52.0	52.1	52.2	52.4	52.5	52.6	53.0
155°	54.6	54.5	54.4	54.4	54.6	54.8	55.0	55.2	55.3	55.4	55.7
160°	56.9	56.9	57.0	57.1	57.4	57.7	57.5	57.4	57.4	57.3	57.8
165°	58.4	58.4	58.4	58.4	58.6	58.8	58.9	59.0	59.0	58.9	59.2
170°	60.1	60.0	59.8	59.6	59.7	59.8	60.1	60.3	60.4	60.4	60.9
175°	60.0	59.9	59.9	59.9	60.1	60.4	60.4	60.4	60.4	60.3	60.7
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	0°
5°	183.2	186.5	189.8	191.3	192.7	192.4	192.2	190.2	188.3	185.1	181.9	5°
10°	163.6	170.5	177.4	182.2	186.9	189.2	191.5	190.9	190.2	185.2	180.1	10°
15°	150.3	155.5	160.7	163.5	166.4	166.3	166.2	167.1	168.1	167.9	167.7	15°
20°	166.2	163.0	159.8	155.7	151.5	149.1	146.7	146.6	146.6	149.7	152.9	20°
25°	197.4	187.2	177.1	163.2	149.4	144.4	139.4	139.9	140.4	144.7	149.0	25°
30°	221.8	208.3	194.8	177.0	159.3	150.1	141.0	141.6	142.2	147.5	152.7	30°
35°	238.1	223.3	208.4	189.4	170.4	159.2	148.0	149.1	150.2	157.4	164.7	35°
40°	258.0	238.5	219.0	201.4	183.7	178.0	172.2	174.7	177.2	183.6	190.0	40°
45°	275.8	252.6	229.5	224.4	219.3	222.7	226.2	232.0	237.8	237.5	237.2	45°
50°	278.8	267.1	255.4	267.9	280.3	293.5	306.6	311.8	317.0	311.2	305.3	50°
55°	302.3	294.7	287.2	306.6	326.0	346.8	367.7	371.2	374.8	368.4	362.0	55°
60°	341.6	334.5	327.5	345.2	362.9	377.3	391.7	393.7	395.7	392.9	390.1	60°
65°	331.1	348.8	366.6	363.7	360.8	358.4	355.9	346.4	336.8	334.1	331.4	65°
70°	262.1	271.4	280.6	253.9	227.2	221.0	214.8	214.4	214.1	206.4	198.6	70°
75°	154.5	163.5	172.4	141.3	110.2	102.6	95.1	94.7	94.4	92.7	91.1	75°
80°	58.7	62.1	65.5	57.1	48.6	52.8	57.0	51.1	45.2	45.3	45.3	80°
85°	8.1	5.9	3.7	2.4	1.1	0.6	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°	1.6	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	5.6	5.9	6.1	6.2	6.3	5.9	5.5	4.8	4.2	105°
110°	10.1	10.2	10.3	10.4	10.5	10.5	10.4	10.2	9.9	9.4	8.9	110°
115°	15.4	15.5	15.5	15.7	15.8	15.7	15.5	15.3	15.1	14.9	14.6	115°
120°	21.1	21.2	21.3	21.5	21.7	21.5	21.4	21.2	21.1	20.8	20.6	120°
125°	26.9	26.9	26.9	27.1	27.4	27.3	27.2	27.1	26.9	26.7	26.5	125°
130°	32.9	33.0	33.1	33.1	33.1	32.9	32.7	32.5	32.3	32.2	32.1	130°
135°	39.1	38.9	38.8	38.9	38.9	38.7	38.5	38.2	37.9	37.9	37.8	135°
140°	44.2	44.0	43.8	43.7	43.6	43.5	43.4	43.3	43.2	42.9	42.6	140°
145°	48.5	48.6	48.7	48.8	48.8	48.5	48.3	48.1	47.8	47.8	47.8	145°
150°	52.6	52.5	52.4	52.2	52.1	52.0	51.8	51.7	51.5	51.5	51.5	150°
155°	55.4	55.3	55.2	55.0	54.8	54.6	54.4	54.4	54.5	54.6	54.7	155°
160°	57.3	57.4	57.4	57.5	57.7	57.4	57.1	57.0	56.9	56.9	56.9	160°
165°	58.9	59.0	59.0	58.9	58.8	58.6	58.4	58.4	58.4	58.4	58.4	165°
170°	60.4	60.4	60.3	60.1	59.8	59.7	59.6	59.8	60.0	60.1	60.2	170°
175°	60.3	60.4	60.4	60.4	60.4	60.1	59.9	59.9	59.9	60.0	60.0	175°
180°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
162.7	162.7	162.7	162.7	162.7	162.7	162.7
178.0	174.1	169.3	164.4	159.4	154.4	149.1
172.2	164.3	155.7	147.1	139.8	132.5	124.6
163.9	160.1	153.0	145.8	138.0	130.2	120.0
158.1	163.2	163.7	164.3	158.5	152.7	140.1
160.0	171.1	180.8	190.6	191.3	191.9	175.7
163.6	174.5	187.9	201.4	210.7	219.9	202.9
174.0	183.4	198.0	212.6	230.1	247.6	228.7
195.7	201.4	215.1	228.9	252.3	275.7	257.6
230.9	224.7	227.7	230.7	258.4	286.0	277.0
282.5	259.6	248.5	237.4	267.0	296.6	302.9
330.7	299.4	284.9	270.5	298.9	327.4	346.9
371.1	352.0	339.2	326.3	352.1	377.8	371.7
334.5	337.5	359.3	381.1	387.3	393.4	356.0
212.3	226.1	273.5	320.9	318.6	316.4	267.2
102.9	114.8	153.5	192.2	152.0	111.9	82.5
40.9	36.5	35.7	34.9	20.7	6.5	3.8
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	0.6	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	2.3	2.1	1.9	1.8
8.2	7.6	7.0	6.4	6.2	5.9	5.7
14.2	13.8	13.3	12.8	12.4	12.1	12.2
20.4	20.2	19.9	19.6	19.5	19.4	19.5
26.2	26.0	25.8	25.7	25.6	25.5	25.9
32.0	31.8	31.6	31.4	31.4	31.3	31.5
37.6	37.5	37.3	37.0	37.0	37.0	37.2
42.6	42.5	42.4	42.3	42.2	42.1	42.4
47.6	47.5	47.4	47.2	47.3	47.4	47.8
51.5	51.5	51.5	51.5	51.5	51.4	51.7
54.6	54.4	54.4	54.3	54.3	54.3	54.6
56.9	57.0	57.1	57.2	57.3	57.3	57.6
58.6	58.7	58.7	58.7	58.8	58.9	59.1
60.1	60.1	60.1	60.1	60.2	60.4	60.6
60.2	60.4	60.4	60.5	60.6	60.6	60.8
60.8	60.8	60.8	60.8	60.8	60.8	60.8

(END OF REPORT)