

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: P401141

Luminaire Tested: **ENV-SA1B-740-U-SLR-HSS-ULG**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P401141
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-SA1B-740-U-SLR-HSS-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 450mA LIGHTSQUARE 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: 4355 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

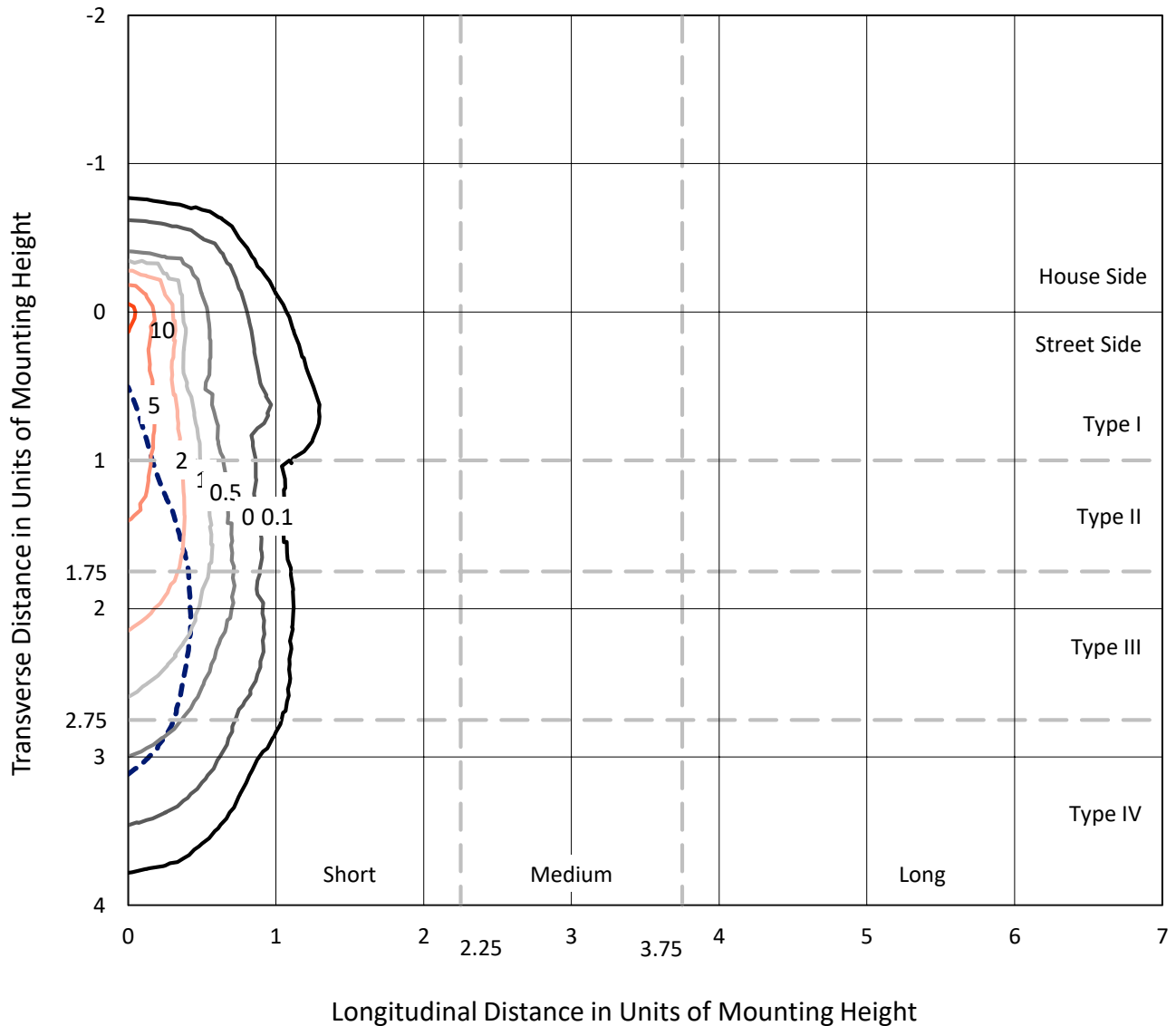
Input Watts (W): 42.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

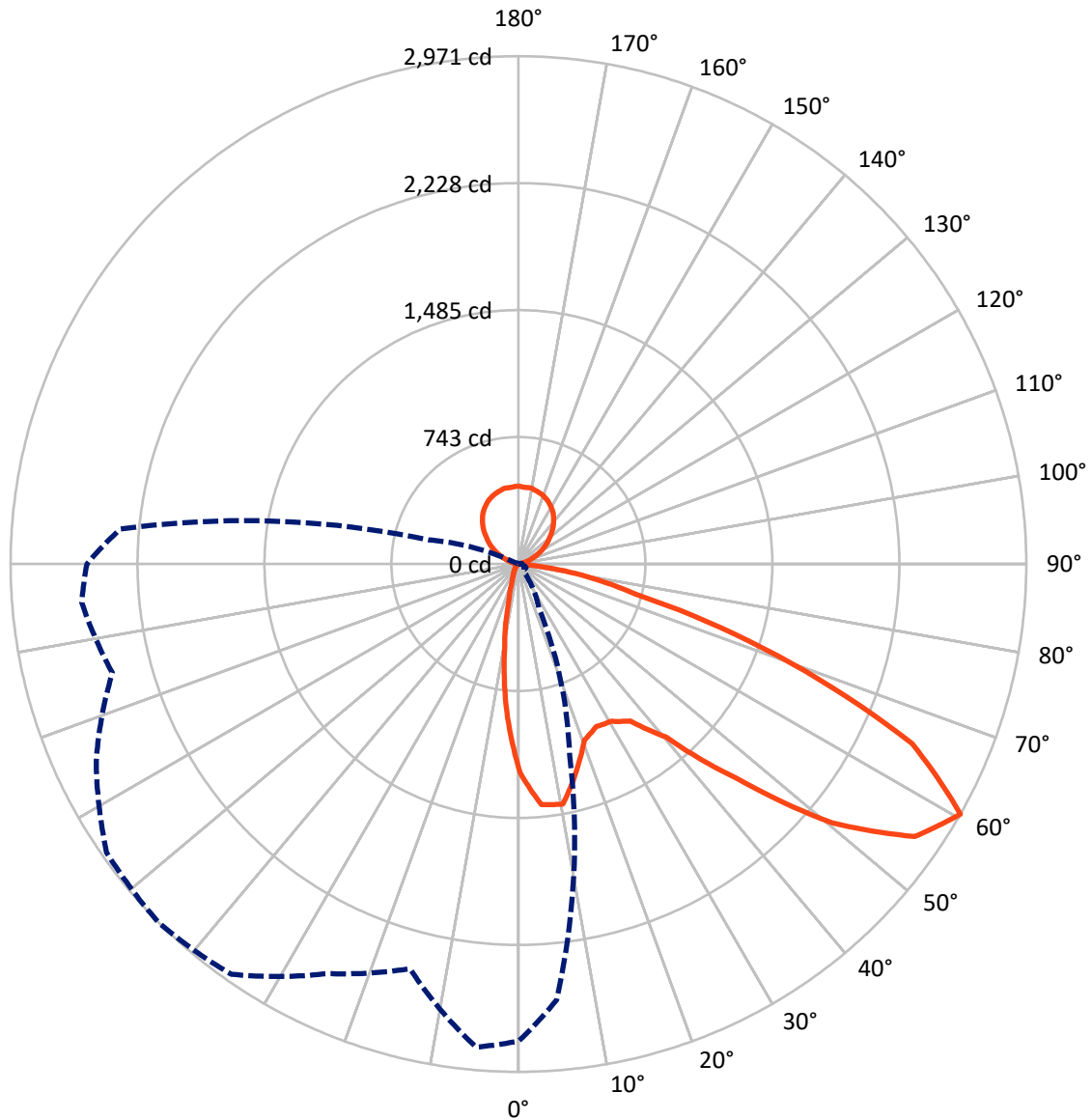


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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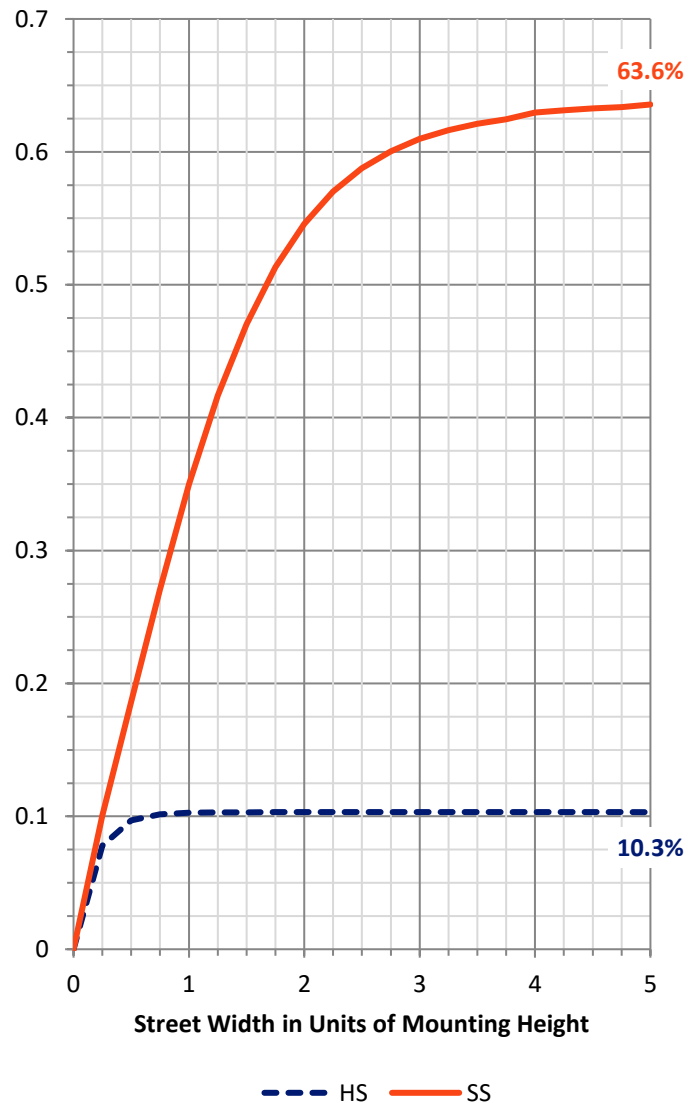
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.1	566.1	1022.1
	% Fixture	10.5	13.0	23.5
Street Side	Lumens	2766.8	566.0	3332.9
	% Fixture	63.5	13.0	76.5
Total	Lumens	3222.9	1132.1	4355.0
	% Fixture	74.0	26.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	2.1
10°-20°	176.5	4.1
20°-30°	242.8	5.6
30°-40°	350.6	8.1
40°-50°	502.8	11.5
50°-60°	726.3	16.7
60°-70°	777.2	17.8
70°-80°	326.8	7.5
80°-90°	26.9	0.6
90°-100°	5.5	0.1
100°-110°	38.3	0.9
110°-120°	108.8	2.5
120°-130°	178.2	4.1
130°-140°	219.6	5.0
140°-150°	224.5	5.2
150°-160°	189.3	4.3
160°-170°	124.7	2.9
170°-180°	43.2	1.0
0°-90°	3222.9	74.0
0°-180°	4355.0	100.0



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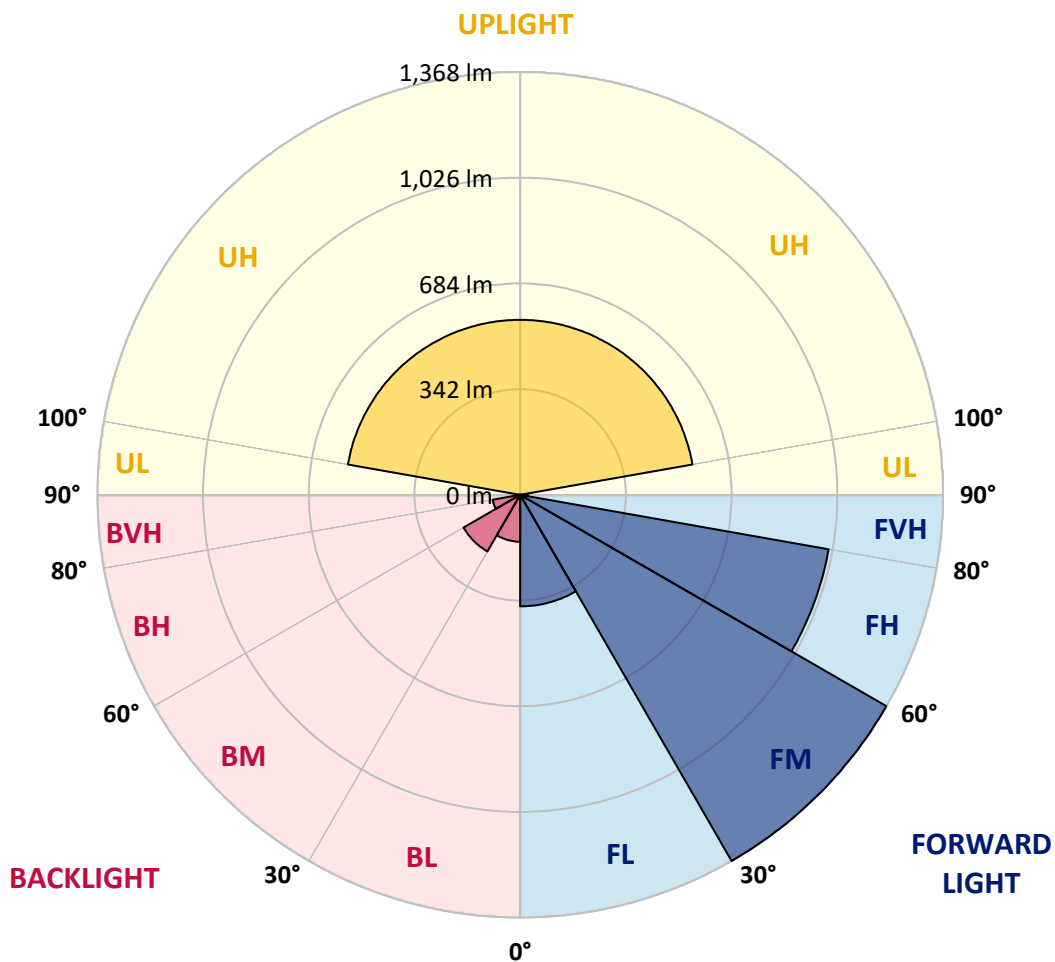
CATALOG NUMBER: ENV-SA1B-740-U-SLR-HSS-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	360.8	8.3			
FM	(30°-60°)	1368.1	31.4			
FH	(60°-80°)	1013.4	23.3			G1/1800
FVH	(80°-90°)	24.6	0.6			G1/100
BL	(0°-30°)	151.5	3.5	B1/500		
BM	(30°-60°)	211.7	4.9	B0/220		
BH	(60°-80°)	90.5	2.1	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	5.5	0.1		U1/10	
UH	(100°-180°)	566.1	13.0		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
5°	1119.9	1095.7	1064.4	1033.2	1005.2	977.1	949.1	921.0	901.0	880.9	861.8
10°	935.7	887.9	835.0	782.1	734.0	685.8	655.9	625.9	607.8	589.6	571.4
15°	901.3	835.6	774.1	712.6	660.0	607.4	573.0	538.6	510.2	481.9	453.2
20°	1051.7	939.5	839.1	738.7	641.9	545.0	484.7	424.5	372.6	320.6	273.1
25°	1319.4	1158.1	979.0	799.9	641.9	483.8	390.7	297.7	230.1	162.5	141.5
30°	1523.4	1339.2	1099.2	859.2	633.6	407.9	307.2	206.5	164.4	122.4	111.2
35°	1717.1	1476.2	1173.8	871.3	620.2	369.1	273.8	178.5	138.3	98.2	88.6
40°	1933.9	1619.6	1238.8	857.9	605.5	353.1	260.7	168.3	126.2	84.1	76.8
45°	2079.8	1760.5	1303.8	847.1	597.9	348.7	249.2	149.8	117.6	85.4	75.9
50°	2274.2	1993.1	1461.9	930.6	633.3	335.9	237.1	138.3	104.9	71.4	74.9
55°	2605.0	2397.2	1748.1	1098.9	710.7	322.5	220.2	117.9	87.3	56.7	62.5
60°	2791.2	2560.4	1859.0	1157.5	719.9	282.4	180.4	78.4	62.8	47.2	45.9
65°	2673.2	2203.5	1570.5	937.6	580.3	223.1	149.8	76.5	55.8	35.1	33.1
70°	2006.5	1554.6	1055.2	555.8	372.9	189.9	136.1	82.2	53.9	25.5	24.2
75°	619.5	564.7	377.3	189.9	146.3	102.6	74.6	46.5	31.6	16.6	17.2
80°	28.7	22.9	18.8	14.7	12.1	9.6	8.3	7.0	6.4	5.7	6.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.3	3.3	3.6	3.9	4.3	4.6	4.6	4.6	4.6	4.6	4.6
100°	5.2	5.2	5.5	5.9	6.2	6.5	7.2	7.8	10.8	13.7	16.3
105°	13.7	14.3	16.0	17.6	20.5	23.5	27.4	31.3	36.2	41.0	44.0
110°	43.0	44.4	46.3	48.3	52.5	56.7	61.6	66.5	70.4	74.3	76.3
115°	91.3	90.6	93.3	95.9	99.8	103.6	106.6	109.6	111.5	113.5	115.1
120°	146.7	145.4	146.4	147.4	149.7	151.9	153.2	154.5	156.5	158.5	159.4
125°	194.3	191.7	192.4	193.0	194.0	195.0	197.0	198.9	200.5	202.1	203.1
130°	236.7	235.4	235.7	236.0	237.4	238.6	240.0	241.3	241.9	242.5	244.2
135°	279.7	277.8	277.8	277.8	279.8	281.7	282.7	283.6	284.3	284.9	286.9
140°	318.2	316.2	316.9	317.6	318.2	318.8	319.5	320.2	322.1	324.1	325.1
145°	358.6	356.0	355.3	354.7	355.7	356.7	357.6	358.6	358.9	359.2	360.9
150°	388.0	386.0	386.3	386.6	386.6	386.6	386.6	386.6	386.6	386.6	388.0
155°	410.1	407.5	407.5	407.5	408.2	408.8	409.8	410.8	410.2	409.5	408.8
160°	432.3	430.3	430.0	429.7	428.7	427.8	427.4	427.1	427.1	427.1	428.1
165°	444.0	442.1	441.5	440.8	440.8	440.8	439.8	438.8	438.8	438.8	438.5
170°	455.1	453.2	452.2	451.2	451.2	451.2	451.5	451.8	451.2	450.6	448.9
175°	456.4	455.1	454.8	454.5	453.8	453.2	451.9	450.6	450.3	449.9	449.9
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
5°	842.6	836.3	829.9	817.1	804.4	812.0	819.7	819.7	806.3	819.7	833.1
10°	553.3	535.1	516.9	498.4	480.0	465.3	450.6	435.3	424.5	419.7	414.9
15°	424.5	397.1	369.7	345.1	320.6	303.1	285.6	270.3	253.0	248.9	244.8
20°	225.6	198.5	171.5	153.3	135.1	128.8	122.4	117.3	113.5	113.5	113.5
25°	120.5	111.9	103.3	98.2	93.1	89.2	85.4	83.5	82.2	80.3	78.4
30°	100.1	92.7	85.4	79.4	73.3	70.4	67.6	66.3	65.0	62.5	59.9
35°	79.0	72.0	65.0	60.9	56.7	54.2	51.6	49.1	49.1	48.1	47.2
40°	69.5	63.4	57.4	52.6	47.8	44.6	41.4	38.9	35.7	33.5	31.2
45°	66.3	59.9	53.5	47.8	42.1	38.9	35.7	32.5	30.0	27.1	24.2
50°	78.4	65.7	52.9	46.2	39.5	35.7	31.9	29.3	26.1	22.9	19.8
55°	68.2	60.2	52.3	43.7	35.1	31.9	28.7	26.1	22.9	19.4	15.9
60°	44.6	46.8	49.1	38.9	28.7	25.8	22.9	21.0	19.1	15.6	12.1
65°	31.2	32.2	33.1	27.7	22.3	19.8	17.2	15.9	14.0	11.5	8.9
70°	22.9	22.3	21.7	19.4	17.2	15.3	13.4	12.1	10.8	8.3	5.7
75°	17.8	16.9	15.9	14.3	12.7	11.2	9.6	8.9	7.6	5.7	3.8
80°	6.4	7.0	7.6	8.0	8.3	6.4	4.5	3.8	3.2	1.6	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°	4.6	4.9	5.2	4.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6
100°	18.9	17.9	17.0	16.0	15.0	13.7	12.4	12.4	12.4	13.7	15.0
105°	47.0	46.3	45.6	44.0	42.4	41.0	39.8	39.8	39.8	41.1	42.4
110°	78.3	78.6	78.9	78.3	77.6	76.6	75.7	76.3	75.7	76.6	77.6
115°	116.7	117.7	118.7	117.7	116.7	116.1	115.4	116.1	115.4	116.1	116.7
120°	160.4	161.7	163.0	161.4	159.7	159.1	158.5	158.5	158.5	159.1	159.7
125°	204.1	204.7	205.4	203.8	202.1	202.1	202.1	202.1	202.1	202.1	202.1
130°	245.8	247.1	248.4	248.4	248.4	247.8	247.1	247.8	247.1	247.8	248.4
135°	288.9	290.5	292.1	291.8	291.5	292.4	293.4	294.1	293.4	292.4	291.5
140°	326.0	326.7	327.3	327.9	328.6	330.2	331.9	333.2	331.9	330.3	328.6
145°	362.6	364.5	366.4	366.1	365.8	364.8	363.8	365.2	363.8	364.8	365.8
150°	389.3	390.2	391.2	392.2	393.1	394.2	395.1	397.7	395.1	394.2	393.1
155°	408.2	409.8	411.4	413.0	414.7	415.3	416.0	417.9	416.0	415.3	414.7
160°	429.0	431.0	432.9	432.0	431.0	430.7	430.3	434.3	430.3	430.7	431.0
165°	438.1	439.8	441.4	442.4	443.4	442.7	442.1	444.7	442.1	442.7	443.4
170°	447.3	448.3	449.2	450.9	452.5	453.2	453.8	457.1	453.8	453.2	452.5
175°	449.9	451.5	453.2	453.5	453.8	453.2	452.5	455.7	452.5	453.2	453.8
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
5°	842.0	850.9	862.1	873.2	869.7	866.2	879.6	893.0	891.4	889.8	897.1
10°	426.1	437.3	449.0	460.8	473.9	487.0	488.9	490.8	495.6	500.4	487.3
15°	237.1	229.5	226.6	223.7	223.1	222.5	224.0	225.6	221.5	217.4	216.4
20°	116.6	119.8	118.9	117.9	115.4	112.8	105.2	97.5	89.2	80.9	76.8
25°	76.5	74.6	75.2	75.9	74.3	72.7	66.6	60.6	56.7	52.9	51.0
30°	58.3	56.7	56.4	56.1	54.8	53.5	49.1	44.6	42.1	39.5	38.2
35°	46.2	45.3	44.0	42.7	39.8	37.0	34.7	32.5	30.3	28.0	26.8
40°	30.3	29.3	29.6	30.0	28.7	27.4	24.9	22.3	19.8	17.2	15.9
45°	21.7	19.1	17.5	15.9	16.9	17.8	15.6	13.4	10.8	8.3	7.3
50°	16.3	12.7	10.5	8.3	7.6	7.0	6.7	6.4	4.5	2.5	1.6
55°	12.7	9.6	7.3	5.1	3.8	2.5	1.6	0.6	0.3	0.0	0.0
60°	8.9	5.7	4.1	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.7	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.9	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°	4.9	5.2	4.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.3
100°	16.0	17.0	18.0	18.9	16.3	13.7	10.8	7.8	7.2	6.5	6.2
105°	44.0	45.6	46.3	47.0	44.0	41.0	36.2	31.3	27.4	23.5	20.5
110°	78.3	78.9	78.6	78.3	76.3	74.3	70.4	66.5	61.6	56.7	52.5
115°	117.7	118.7	117.7	116.7	115.1	113.5	111.5	109.6	106.6	103.6	99.8
120°	161.4	163.0	161.7	160.4	159.4	158.5	156.5	154.5	153.2	151.9	149.7
125°	203.8	205.4	204.7	204.1	203.1	202.1	200.5	198.9	197.0	195.0	194.0
130°	248.4	248.4	247.1	245.8	244.2	242.5	241.9	241.3	240.0	238.6	237.4
135°	291.8	292.1	290.5	288.9	286.9	284.9	284.3	283.6	282.7	281.7	279.8
140°	328.0	327.3	326.7	326.0	325.1	324.1	322.1	320.2	319.5	318.8	318.2
145°	366.1	366.4	364.5	362.6	360.9	359.2	358.9	358.6	357.6	356.7	355.7
150°	392.2	391.2	390.3	389.3	388.0	386.6	386.6	386.6	386.6	386.6	386.6
155°	413.1	411.4	409.8	408.2	408.8	409.5	410.2	410.8	409.8	408.8	408.2
160°	432.0	432.9	431.0	429.0	428.1	427.1	427.1	427.1	427.4	427.8	428.7
165°	442.4	441.4	439.8	438.1	438.5	438.8	438.8	438.8	439.8	440.8	440.8
170°	450.9	449.2	448.3	447.3	448.9	450.6	451.2	451.8	451.5	451.2	451.2
175°	453.5	453.2	451.5	449.9	449.9	449.9	450.3	450.6	451.9	453.2	453.8
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CATALOG NUMBER: ENV-SA1B-740-U-SLR-HSS-ULG

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
5°	904.5	916.6	928.7	919.1	944.6	960.2	975.9	986.1	996.2	1024.3	1052.3
10°	474.2	479.6	485.1	490.2	502.3	509.3	516.3	542.1	567.9	597.2	626.6
15°	215.4	211.9	208.4	212.9	232.0	252.4	272.8	308.2	343.6	390.4	437.3
20°	72.7	71.4	70.1	71.4	72.0	76.5	80.9	92.4	103.9	139.0	174.0
25°	49.1	48.8	48.4	49.1	49.7	50.7	51.6	54.2	56.7	62.5	68.2
30°	37.0	36.7	36.3	36.3	36.3	37.6	38.9	41.1	43.3	46.5	49.7
35°	25.5	25.2	24.9	24.9	25.5	26.5	27.4	29.0	30.6	33.1	35.7
40°	14.7	15.0	15.3	14.7	15.3	16.3	17.2	18.8	20.4	22.3	24.2
45°	6.4	6.4	6.4	6.4	6.4	7.3	8.3	10.2	12.1	14.3	16.6
50°	0.6	0.6	0.6	0.0	0.6	1.3	1.9	4.1	6.4	13.1	19.8
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	5.1	8.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9
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	0.6	1.3	1.0	0.6	0.3	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°	3.9	3.6	3.3	3.3	3.3	3.6	3.9	4.3	4.6	4.6	4.6
100°	5.9	5.5	5.2	5.2	5.2	5.5	5.9	6.2	6.5	7.2	7.8
105°	17.6	16.0	14.3	13.7	14.3	16.0	17.6	20.5	23.5	27.4	31.3
110°	48.3	46.3	44.4	43.0	44.4	46.3	48.3	52.5	56.7	61.6	66.5
115°	95.9	93.3	90.6	91.3	90.6	93.3	95.9	99.8	103.6	106.6	109.6
120°	147.4	146.4	145.4	146.7	145.4	146.4	147.4	149.7	151.9	153.2	154.5
125°	193.0	192.4	191.7	194.3	191.7	192.4	193.0	194.0	195.0	197.0	198.9
130°	236.0	235.7	235.4	236.7	235.4	235.7	236.0	237.4	238.6	240.0	241.3
135°	277.8	277.8	277.8	279.7	277.8	277.8	277.8	279.8	281.7	282.7	283.6
140°	317.6	316.9	316.2	318.2	316.2	316.9	317.6	318.2	318.8	319.5	320.2
145°	354.7	355.3	356.0	358.6	356.0	355.3	354.7	355.7	356.7	357.6	358.6
150°	386.6	386.3	386.0	388.0	386.0	386.3	386.6	386.6	386.6	386.6	386.6
155°	407.5	407.5	407.5	410.1	407.5	407.5	407.5	408.2	408.8	409.8	410.8
160°	429.7	430.0	430.3	432.3	430.3	430.0	429.7	428.7	427.8	427.4	427.1
165°	440.8	441.5	442.1	444.0	442.1	441.5	440.8	440.8	440.8	439.8	438.8
170°	451.2	452.2	453.2	455.1	453.2	452.2	451.2	451.2	451.2	451.5	451.8
175°	454.5	454.8	455.1	456.4	455.1	454.8	454.5	453.8	453.2	451.9	450.6
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
5°	1068.0	1083.6	1117.0	1150.5	1176.3	1202.1	1232.7	1263.3	1290.7	1318.1	1348.1
10°	660.3	694.1	742.9	791.6	844.5	897.5	948.1	998.8	1048.8	1098.9	1168.3
15°	478.7	520.1	554.9	589.6	642.2	694.8	764.2	833.7	913.1	992.4	1066.4
20°	237.4	300.9	381.8	462.7	543.7	624.6	734.6	844.5	981.3	1118.0	1210.4
25°	87.3	106.4	196.6	286.8	426.7	566.6	746.1	925.5	1130.7	1336.0	1472.4
30°	54.8	59.9	95.3	130.7	283.0	435.3	741.3	1047.2	1313.4	1579.5	1675.7
35°	37.9	40.2	51.9	63.7	155.5	247.3	668.0	1088.7	1421.4	1754.1	1844.0
40°	26.1	28.0	35.1	42.1	88.9	135.8	576.2	1016.6	1493.7	1970.8	2086.2
45°	22.0	27.4	27.1	26.8	45.3	63.7	447.1	830.5	1474.9	2119.3	2276.1
50°	20.1	20.4	17.5	14.7	20.4	26.1	349.6	673.1	1438.9	2204.7	2311.8
55°	8.3	8.3	8.9	9.6	13.7	17.8	335.0	652.1	1492.1	2332.2	2422.7
60°	2.5	3.2	4.8	6.4	10.5	14.7	281.1	547.5	1443.4	2339.2	2524.1
65°	0.3	0.6	1.6	2.5	5.7	8.9	195.0	381.2	1183.6	1986.1	2252.6
70°	0.0	0.0	0.0	0.0	1.3	2.5	79.0	155.5	775.7	1395.9	1749.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	15.0	30.0	293.8	557.7	975.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.1	118.9	232.6	405.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.6	4.6	4.6	4.6	4.9	5.2	4.9	4.6	4.6	4.6	4.6
100°	10.8	13.7	16.3	18.9	18.0	17.0	16.0	15.0	13.7	12.4	12.4
105°	36.2	41.0	44.0	47.0	46.3	45.6	44.0	42.4	41.1	39.8	39.8
110°	70.4	74.3	76.3	78.3	78.6	78.9	78.3	77.6	76.6	75.7	76.3
115°	111.5	113.5	115.1	116.7	117.7	118.7	117.7	116.7	116.1	115.4	116.1
120°	156.5	158.5	159.4	160.4	161.7	163.0	161.4	159.7	159.1	158.5	158.5
125°	200.5	202.1	203.1	204.1	204.7	205.4	203.8	202.1	202.1	202.1	202.1
130°	241.9	242.5	244.2	245.8	247.1	248.4	248.4	248.4	247.8	247.1	247.8
135°	284.3	284.9	286.9	288.9	290.5	292.1	291.8	291.5	292.4	293.4	294.1
140°	322.1	324.1	325.1	326.0	326.7	327.3	328.0	328.6	330.3	331.9	333.2
145°	358.9	359.2	360.9	362.6	364.5	366.4	366.1	365.8	364.8	363.8	365.2
150°	386.6	386.6	388.0	389.3	390.3	391.2	392.2	393.1	394.2	395.1	397.7
155°	410.2	409.5	408.8	408.2	409.8	411.4	413.1	414.7	415.3	416.0	417.9
160°	427.1	427.1	428.1	429.0	431.0	432.9	432.0	431.0	430.7	430.3	434.3
165°	438.8	438.8	438.5	438.1	439.8	441.4	442.4	443.4	442.7	442.1	444.7
170°	451.2	450.6	448.9	447.3	448.3	449.2	450.9	452.5	453.2	453.8	457.1
175°	450.3	449.9	449.9	449.9	451.5	453.2	453.5	453.8	453.2	452.5	455.7
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4

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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	0°
5°	1375.5	1400.4	1425.2	1436.1	1446.9	1445.0	1443.1	1428.4	1413.7	1389.8	1365.9	5°
10°	1228.3	1280.2	1332.2	1367.8	1403.5	1420.8	1438.0	1433.2	1428.4	1390.5	1352.6	10°
15°	1128.2	1167.4	1206.6	1227.9	1249.3	1248.7	1248.0	1255.0	1262.0	1260.4	1258.9	15°
20°	1248.0	1224.1	1200.2	1169.0	1137.8	1119.6	1101.4	1101.1	1100.8	1124.4	1147.9	20°
25°	1481.9	1405.8	1329.6	1225.7	1121.8	1084.2	1046.6	1050.4	1054.3	1086.4	1118.6	25°
30°	1665.5	1564.2	1462.8	1329.3	1195.8	1127.2	1058.7	1063.2	1067.6	1107.2	1146.7	30°
35°	1787.9	1676.3	1564.8	1422.0	1279.3	1195.4	1111.6	1119.6	1127.6	1182.0	1236.5	35°
40°	1937.0	1790.8	1644.5	1511.9	1379.3	1336.3	1293.3	1312.1	1330.9	1378.7	1426.5	40°
45°	2070.9	1896.9	1722.9	1684.6	1646.4	1672.5	1698.7	1742.0	1785.3	1783.1	1780.9	45°
50°	2093.2	2005.6	1917.9	2011.3	2104.7	2203.5	2302.3	2341.2	2380.0	2336.4	2292.7	50°
55°	2269.8	2213.0	2156.3	2302.0	2447.6	2604.1	2760.6	2787.3	2814.1	2766.3	2718.5	55°
60°	2564.9	2512.0	2459.1	2592.0	2724.9	2832.9	2940.9	2955.9	2970.9	2950.2	2929.5	60°
65°	2485.8	2619.4	2752.9	2730.9	2708.9	2690.8	2672.6	2600.9	2529.2	2508.8	2488.4	65°
70°	1968.3	2037.8	2107.2	1906.4	1705.7	1659.1	1612.6	1610.1	1607.5	1549.5	1491.5	70°
75°	1160.1	1227.3	1294.5	1060.9	827.3	770.6	713.9	711.3	708.8	696.4	683.9	75°
80°	440.4	466.3	492.1	428.6	365.2	396.8	428.3	384.0	339.7	340.1	340.4	80°
85°	60.6	44.0	27.4	17.8	8.3	4.1	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°	4.6	4.6	4.6	4.9	5.2	4.9	4.6	4.6	4.6	4.6	4.6	95°
100°	12.4	13.7	15.0	16.0	17.0	17.9	18.9	16.3	13.7	10.8	7.8	100°
105°	39.8	41.0	42.4	44.0	45.6	46.3	47.0	44.0	41.0	36.2	31.3	105°
110°	75.7	76.6	77.6	78.3	78.9	78.6	78.3	76.3	74.3	70.4	66.5	110°
115°	115.4	116.1	116.7	117.7	118.7	117.7	116.7	115.1	113.5	111.5	109.6	115°
120°	158.5	159.1	159.7	161.4	163.0	161.7	160.4	159.4	158.5	156.5	154.5	120°
125°	202.1	202.1	202.1	203.8	205.4	204.7	204.1	203.1	202.1	200.5	198.9	125°
130°	247.1	247.8	248.4	248.4	248.4	247.1	245.8	244.2	242.5	241.9	241.3	130°
135°	293.4	292.4	291.5	291.8	292.1	290.5	288.9	286.9	284.9	284.3	283.6	135°
140°	331.9	330.2	328.6	327.9	327.3	326.7	326.0	325.1	324.1	322.1	320.2	140°
145°	363.8	364.8	365.8	366.1	366.4	364.5	362.6	360.9	359.2	358.9	358.6	145°
150°	395.1	394.2	393.1	392.2	391.2	390.2	389.3	388.0	386.6	386.6	386.6	150°
155°	416.0	415.3	414.7	413.0	411.4	409.8	408.2	408.8	409.5	410.2	410.8	155°
160°	430.3	430.7	431.0	432.0	432.9	431.0	429.0	428.1	427.1	427.1	427.1	160°
165°	442.1	442.7	443.4	442.4	441.4	439.8	438.1	438.5	438.8	438.8	438.8	165°
170°	453.8	453.2	452.5	450.9	449.2	448.3	447.3	448.9	450.6	451.2	451.8	170°
175°	452.5	453.2	453.8	453.5	453.2	451.5	449.9	449.9	449.9	450.3	450.6	175°
180°	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	456.4	180°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
1336.6	1307.3	1271.0	1234.6	1197.0	1159.4	1119.9
1293.3	1234.0	1169.3	1104.6	1049.8	995.0	935.7
1230.5	1202.1	1148.6	1095.0	1036.4	977.8	901.3
1186.8	1225.7	1229.5	1233.4	1190.0	1146.7	1051.7
1201.5	1284.4	1357.7	1431.0	1436.1	1441.2	1319.4
1228.6	1310.5	1411.2	1511.9	1581.7	1651.5	1523.4
1306.7	1376.8	1486.7	1596.7	1728.0	1859.3	1717.1
1469.2	1511.9	1615.5	1719.1	1894.7	2070.3	1933.9
1734.0	1687.2	1709.8	1732.4	1939.9	2147.4	2079.8
2120.9	1949.2	1866.0	1782.8	2004.9	2227.1	2274.2
2483.3	2248.1	2139.4	2030.7	2244.6	2458.4	2605.0
2786.4	2643.3	2546.7	2450.1	2643.6	2837.0	2791.2
2511.3	2534.3	2698.1	2861.9	2907.8	2953.7	2673.2
1594.4	1697.4	2053.4	2409.4	2392.5	2375.6	2006.5
772.8	861.8	1152.4	1443.1	1141.6	840.1	619.5
307.2	274.1	268.0	262.0	155.5	49.1	28.7
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	0.1
4.6	4.6	4.3	3.9	3.6	3.3	3.3
7.2	6.5	6.2	5.9	5.5	5.2	5.2
27.4	23.5	20.5	17.6	16.0	14.3	13.7
61.6	56.7	52.5	48.3	46.3	44.4	43.0
106.6	103.6	99.8	95.9	93.3	90.6	91.3
153.2	151.9	149.7	147.4	146.4	145.4	146.7
197.0	195.0	194.0	193.0	192.4	191.7	194.3
240.0	238.6	237.4	236.0	235.7	235.4	236.7
282.7	281.7	279.8	277.8	277.8	277.8	279.7
319.5	318.8	318.2	317.6	316.9	316.2	318.2
357.6	356.7	355.7	354.7	355.3	356.0	358.6
386.6	386.6	386.6	386.6	386.3	386.0	388.0
409.8	408.8	408.2	407.5	407.5	407.5	410.1
427.4	427.8	428.7	429.7	430.0	430.3	432.3
439.8	440.8	440.8	440.8	441.5	442.1	444.0
451.5	451.2	451.2	451.2	452.2	453.2	455.1
451.9	453.2	453.8	454.5	454.8	455.1	456.4
456.4	456.4	456.4	456.4	456.4	456.4	456.4

(END OF REPORT)