

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: P400961

Luminaire Tested: **ENV-SA1A-740-U-SLR-HSS-ULG**

Issue Date: 5/20/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P400961  
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-SA1A-740-U-SLR-HSS-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 350mA 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: 3833 lumens  
Efficiency: N/A  
Efficacy: 104.2 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 - U4 - G1

Input Watts (W): 36.8  
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

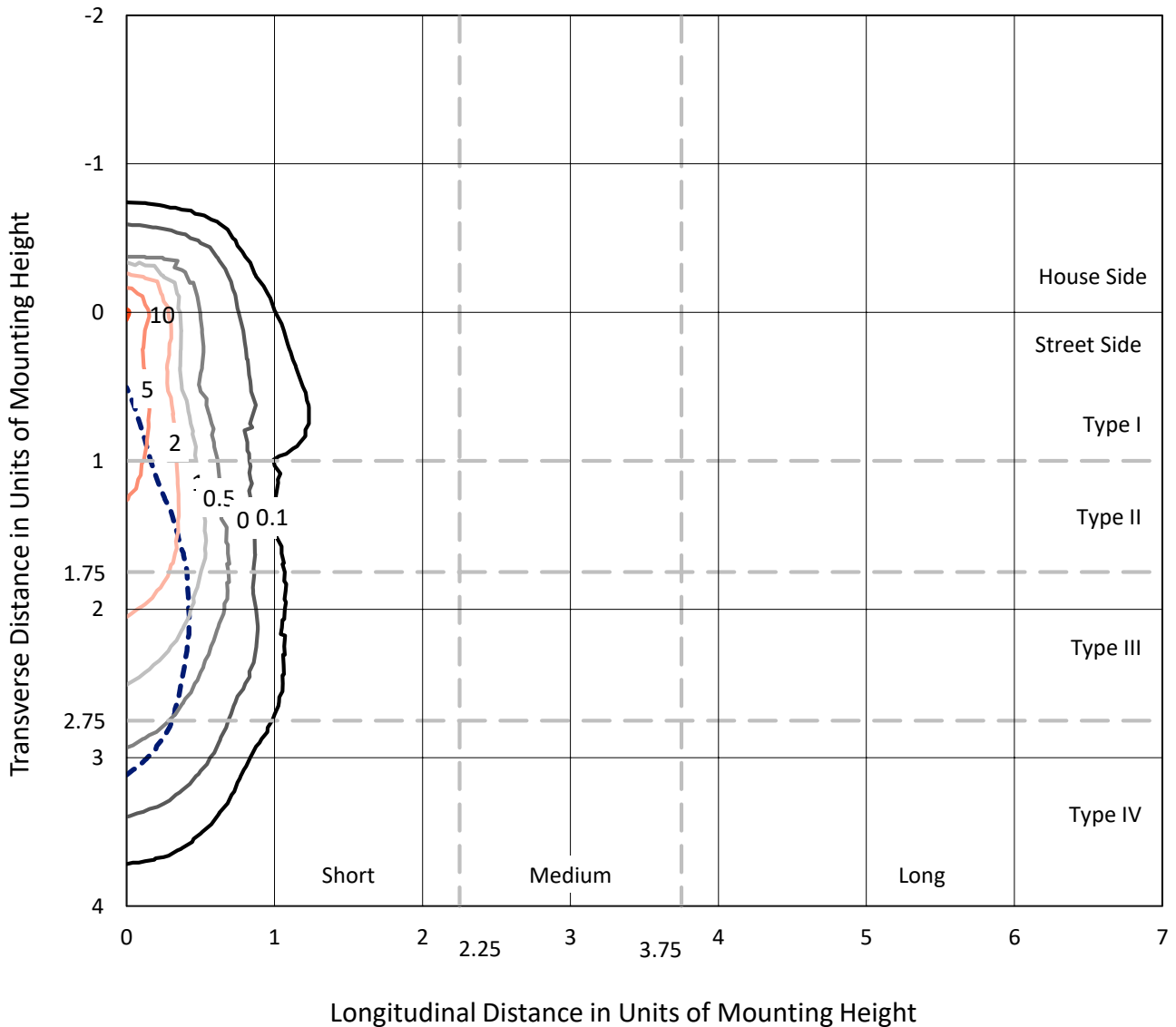


REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

### Iso-Footcandle Lines of Horizontal Illumination

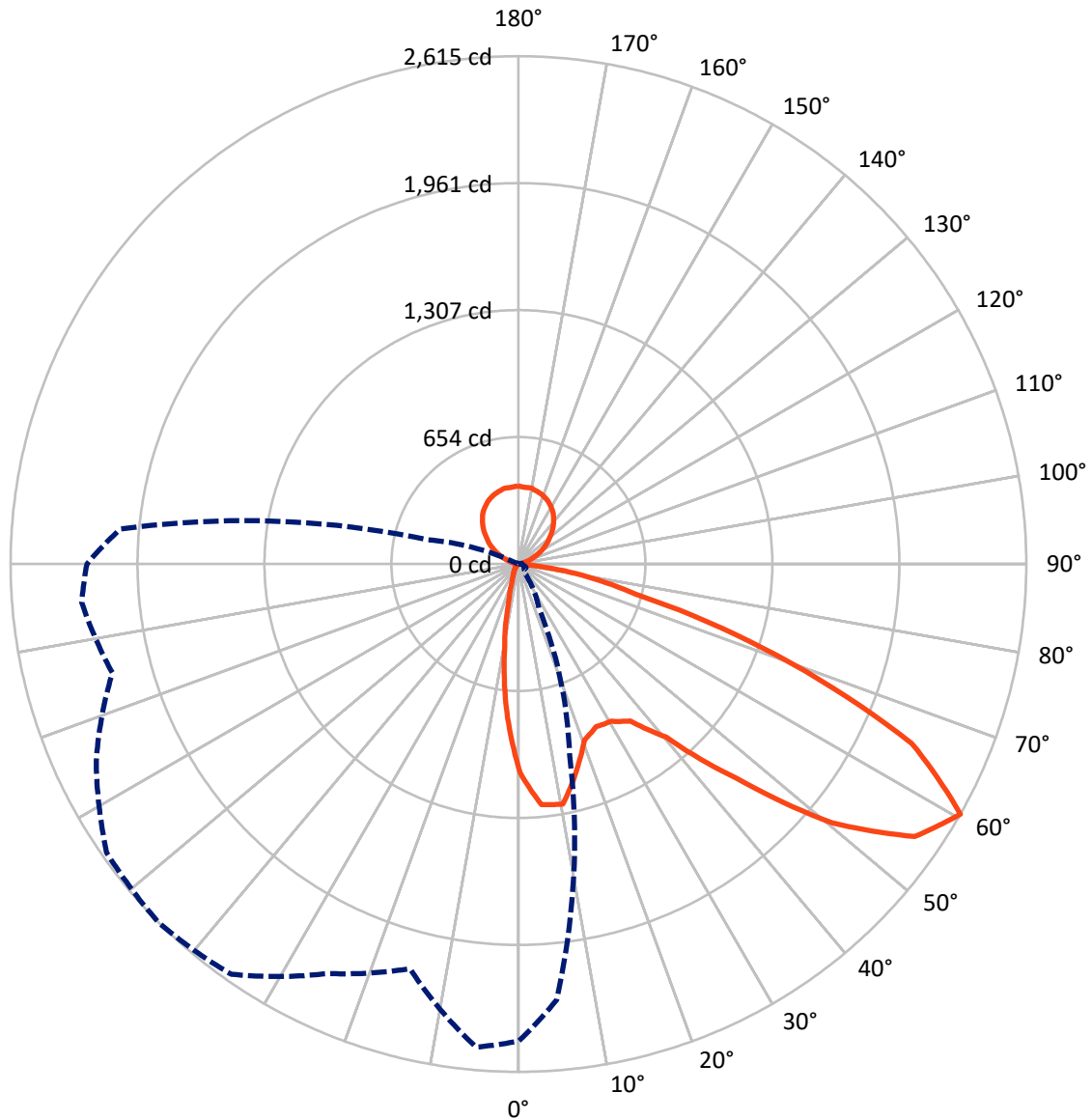
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P400961  
CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

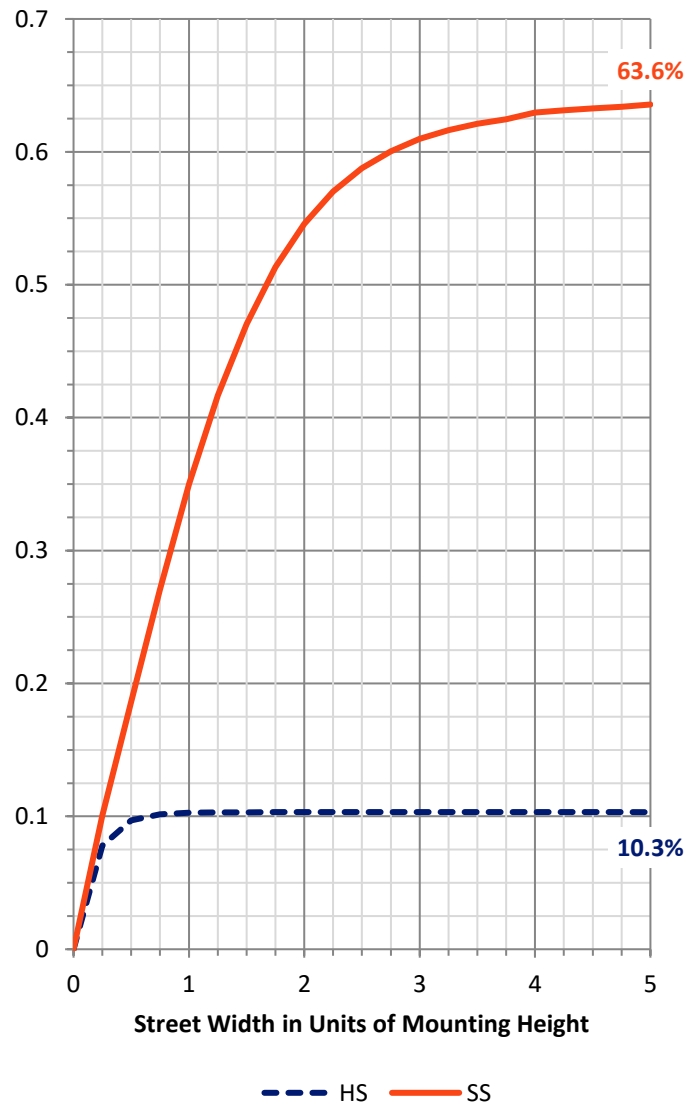
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	401.4	498.2	899.6
	% Fixture	10.5	13.0	23.5
<b>Street Side</b>	Lumens	2435.2	498.2	2933.4
	% Fixture	63.5	13.0	76.5
<b>Total</b>	Lumens	2836.6	996.4	3833.0
	% Fixture	74.0	26.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.9	2.1
10°-20°	155.3	4.1
20°-30°	213.7	5.6
30°-40°	308.6	8.1
40°-50°	442.5	11.5
50°-60°	639.3	16.7
60°-70°	684.0	17.8
70°-80°	287.6	7.5
80°-90°	23.7	0.6
90°-100°	4.8	0.1
100°-110°	33.7	0.9
110°-120°	95.8	2.5
120°-130°	156.8	4.1
130°-140°	193.3	5.0
140°-150°	197.6	5.2
150°-160°	166.6	4.3
160°-170°	109.7	2.9
170°-180°	38.0	1.0
0°-90°	2836.6	74.0
0°-180°	3833.0	100.0



REPORT NUMBER: P400961

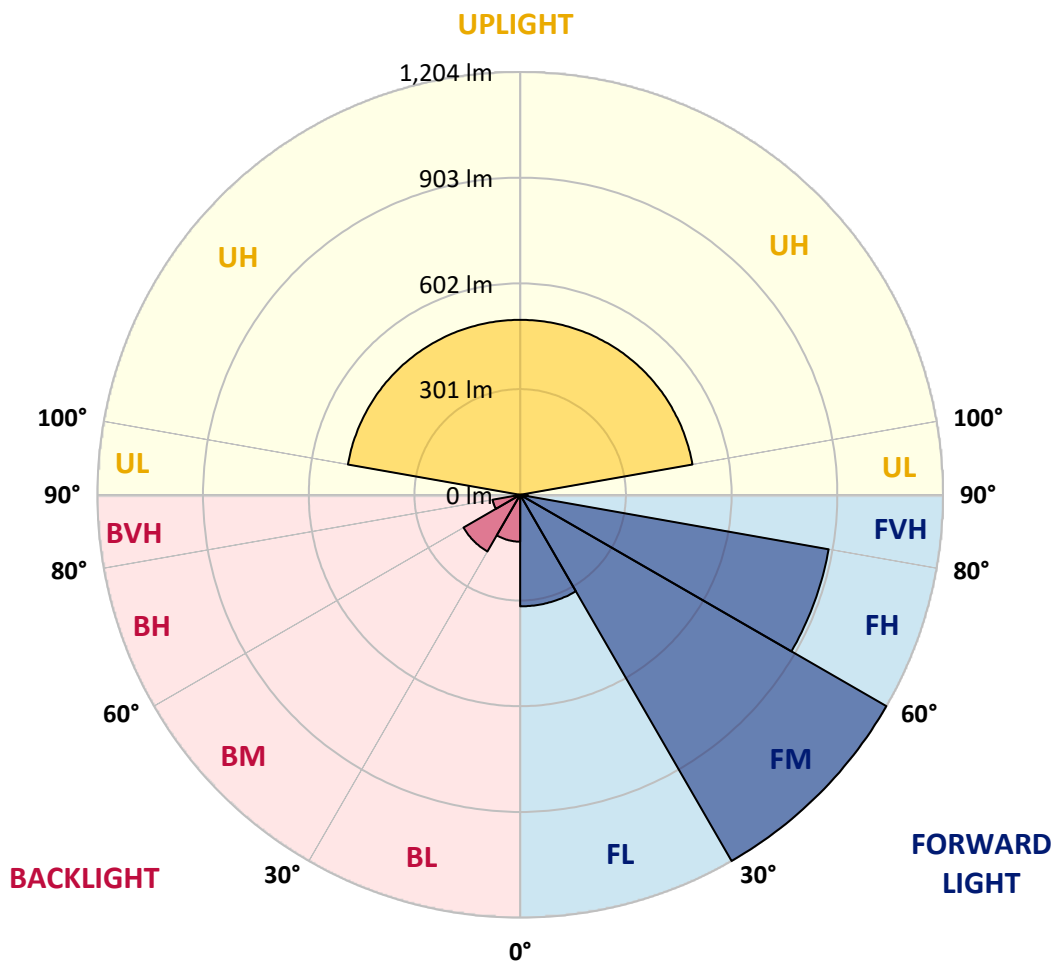
CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.5	8.3			
FM	(30°-60°)	1204.1	31.4			
FH	(60°-80°)	892.0	23.3			G1/1800
FVH	(80°-90°)	21.6	0.6			G1/100
BL	(0°-30°)	133.4	3.5	B1/500		
BM	(30°-60°)	186.3	4.9	B0/220		
BH	(60°-80°)	79.7	2.1	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	4.8	0.1		U1/10	
UH	(100°-180°)	498.2	13.0		U3/500	

**BUG Rating: B1-U4-G1**

Type IV Short





REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
5°	985.7	964.4	936.9	909.4	884.7	860.0	835.3	810.6	793.0	775.3	758.5
10°	823.5	781.5	734.9	688.3	646.0	603.6	577.3	550.9	534.9	518.9	502.9
15°	793.2	735.5	681.3	627.2	580.9	534.6	504.3	474.0	449.1	424.1	398.9
20°	925.6	826.9	738.6	650.2	564.9	479.7	426.6	373.6	327.9	282.2	240.4
25°	1161.3	1019.3	861.7	704.0	564.9	425.8	343.9	262.0	202.5	143.1	124.5
30°	1340.8	1178.7	967.4	756.2	557.6	359.0	270.4	181.8	144.7	107.7	97.9
35°	1511.3	1299.3	1033.1	766.9	545.8	324.8	240.9	157.1	121.7	86.4	78.0
40°	1702.1	1425.5	1090.3	755.1	532.9	310.8	229.4	148.1	111.1	74.1	67.6
45°	1830.5	1549.5	1147.5	745.6	526.2	306.9	219.3	131.8	103.5	75.2	66.8
50°	2001.6	1754.2	1286.6	819.1	557.3	295.6	208.7	121.7	92.3	62.8	65.9
55°	2292.8	2109.9	1538.5	967.2	625.5	283.9	193.8	103.8	76.9	49.9	55.0
60°	2456.6	2253.5	1636.1	1018.8	633.6	248.5	158.8	69.0	55.3	41.5	40.4
65°	2352.8	1939.4	1382.3	825.2	510.8	196.3	131.8	67.3	49.1	30.9	29.2
70°	1766.0	1368.3	928.7	489.2	328.2	167.2	119.8	72.4	47.4	22.4	21.3
75°	545.3	497.0	332.1	167.2	128.7	90.3	65.6	41.0	27.8	14.6	15.1
80°	25.2	20.2	16.5	12.9	10.7	8.4	7.3	6.2	5.6	5.0	5.3
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°	2.9	2.9	3.1	3.4	3.8	4.0	4.0	4.0	4.0	4.0	4.0
100°	4.6	4.6	4.9	5.2	5.4	5.7	6.3	6.9	9.5	12.1	14.4
105°	12.1	12.6	14.1	15.5	18.1	20.6	24.1	27.5	31.9	36.1	38.8
110°	37.9	39.0	40.8	42.5	46.2	49.9	54.2	58.5	62.0	65.4	67.2
115°	80.3	79.8	82.1	84.4	87.8	91.2	93.9	96.4	98.2	99.9	101.3
120°	129.1	128.0	128.9	129.7	131.7	133.7	134.9	136.0	137.7	139.5	140.3
125°	171.0	168.7	169.3	169.9	170.8	171.6	173.3	175.0	176.5	177.9	178.8
130°	208.3	207.2	207.5	207.7	208.9	210.0	211.2	212.3	212.9	213.5	214.9
135°	246.2	244.5	244.5	244.5	246.2	247.9	248.8	249.6	250.2	250.8	252.5
140°	280.0	278.3	278.9	279.5	280.0	280.6	281.2	281.8	283.5	285.2	286.1
145°	315.6	313.3	312.8	312.2	313.1	313.9	314.8	315.6	315.9	316.2	317.6
150°	341.5	339.7	340.0	340.3	340.3	340.3	340.3	340.3	340.3	340.3	341.5
155°	360.9	358.6	358.6	358.6	359.3	359.8	360.7	361.6	361.0	360.4	359.8
160°	380.5	378.7	378.4	378.2	377.3	376.5	376.2	375.9	375.9	375.9	376.8
165°	390.8	389.1	388.5	387.9	387.9	387.9	387.1	386.2	386.2	386.2	385.9
170°	400.6	398.9	398.0	397.1	397.1	397.1	397.4	397.7	397.1	396.6	395.1
175°	401.7	400.6	400.3	400.0	399.4	398.9	397.7	396.6	396.3	396.0	396.0
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7



REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
5°	741.6	736.0	730.4	719.2	708.0	714.7	721.4	721.4	709.7	721.4	733.2
10°	486.9	471.0	455.0	438.7	422.4	409.5	396.6	383.2	373.6	369.4	365.2
15°	373.6	349.5	325.4	303.8	282.2	266.8	251.3	237.9	222.7	219.1	215.4
20°	198.6	174.8	150.9	134.9	118.9	113.3	107.7	103.2	99.9	99.9	99.9
25°	106.0	98.5	90.9	86.4	81.9	78.5	75.2	73.5	72.4	70.7	69.0
30°	88.1	81.6	75.2	69.8	64.5	62.0	59.5	58.3	57.2	55.0	52.7
35°	69.6	63.4	57.2	53.6	49.9	47.7	45.4	43.2	43.2	42.4	41.5
40°	61.1	55.8	50.5	46.3	42.1	39.3	36.5	34.2	31.4	29.5	27.5
45°	58.3	52.7	47.1	42.1	37.0	34.2	31.4	28.6	26.4	23.8	21.3
50°	69.0	57.8	46.6	40.7	34.8	31.4	28.0	25.8	23.0	20.2	17.4
55°	60.0	53.0	46.0	38.4	30.9	28.0	25.2	23.0	20.2	17.1	14.0
60°	39.3	41.2	43.2	34.2	25.2	22.7	20.2	18.5	16.8	13.7	10.7
65°	27.5	28.3	29.2	24.4	19.6	17.4	15.1	14.0	12.3	10.1	7.9
70°	20.2	19.6	19.1	17.1	15.1	13.5	11.8	10.7	9.5	7.3	5.0
75°	15.7	14.9	14.0	12.6	11.2	9.8	8.4	7.9	6.7	5.0	3.4
80°	5.6	6.2	6.7	7.0	7.3	5.6	3.9	3.4	2.8	1.4	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°	4.0	4.3	4.6	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100°	16.7	15.8	14.9	14.1	13.2	12.1	10.9	10.9	10.9	12.1	13.2
105°	41.3	40.7	40.2	38.7	37.3	36.1	35.0	35.0	35.0	36.2	37.3
110°	68.9	69.2	69.5	68.9	68.3	67.4	66.6	67.2	66.6	67.4	68.3
115°	102.7	103.6	104.5	103.6	102.7	102.2	101.6	102.2	101.6	102.2	102.7
120°	141.1	142.3	143.4	142.0	140.6	140.0	139.5	139.5	139.5	140.0	140.6
125°	179.6	180.2	180.8	179.4	177.9	177.9	177.9	177.9	177.9	177.9	177.9
130°	216.4	217.5	218.6	218.6	218.6	218.1	217.5	218.1	217.5	218.1	218.6
135°	254.2	255.6	257.1	256.8	256.5	257.4	258.2	258.8	258.2	257.4	256.5
140°	286.9	287.5	288.1	288.6	289.2	290.7	292.1	293.2	292.1	290.7	289.2
145°	319.1	320.8	322.5	322.2	322.0	321.1	320.2	321.4	320.2	321.1	322.0
150°	342.6	343.4	344.3	345.2	346.0	346.9	347.8	350.1	347.8	346.9	346.0
155°	359.3	360.7	362.1	363.5	365.0	365.5	366.1	367.8	366.1	365.5	365.0
160°	377.6	379.3	381.0	380.2	379.3	379.1	378.7	382.2	378.7	379.1	379.3
165°	385.6	387.1	388.5	389.4	390.2	389.7	389.1	391.4	389.1	389.7	390.2
170°	393.7	394.5	395.4	396.8	398.3	398.9	399.4	402.3	399.4	398.9	398.3
175°	396.0	397.4	398.9	399.1	399.4	398.9	398.3	401.1	398.3	398.9	399.4
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7





REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
5°	741.1	748.9	758.7	768.6	765.5	762.4	774.2	786.0	784.6	783.1	789.6
10°	375.0	384.8	395.2	405.6	417.1	428.6	430.3	432.0	436.2	440.4	428.9
15°	208.7	202.0	199.4	196.9	196.3	195.8	197.2	198.6	194.9	191.3	190.5
20°	102.7	105.5	104.6	103.8	101.5	99.3	92.6	85.8	78.5	71.2	67.6
25°	67.3	65.6	66.2	66.8	65.4	64.0	58.6	53.3	49.9	46.6	44.9
30°	51.3	49.9	49.6	49.4	48.2	47.1	43.2	39.3	37.0	34.8	33.7
35°	40.7	39.8	38.7	37.6	35.1	32.5	30.6	28.6	26.6	24.7	23.6
40°	26.6	25.8	26.1	26.4	25.2	24.1	21.9	19.6	17.4	15.1	14.0
45°	19.1	16.8	15.4	14.0	14.9	15.7	13.7	11.8	9.5	7.3	6.5
50°	14.3	11.2	9.3	7.3	6.7	6.2	5.9	5.6	3.9	2.2	1.4
55°	11.2	8.4	6.5	4.5	3.4	2.2	1.4	0.6	0.3	0.0	0.0
60°	7.9	5.0	3.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.0	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	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°	4.3	4.6	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8
100°	14.1	14.9	15.8	16.7	14.4	12.1	9.5	6.9	6.3	5.7	5.4
105°	38.8	40.2	40.8	41.3	38.8	36.1	31.9	27.5	24.1	20.6	18.1
110°	68.9	69.5	69.2	68.9	67.2	65.4	62.0	58.5	54.2	49.9	46.2
115°	103.6	104.5	103.6	102.7	101.3	99.9	98.2	96.4	93.9	91.2	87.8
120°	142.0	143.4	142.3	141.1	140.3	139.5	137.7	136.0	134.9	133.7	131.7
125°	179.4	180.8	180.2	179.6	178.8	177.9	176.5	175.0	173.3	171.6	170.8
130°	218.6	218.6	217.5	216.4	214.9	213.5	212.9	212.3	211.2	210.0	208.9
135°	256.8	257.1	255.7	254.2	252.5	250.8	250.2	249.6	248.8	247.9	246.2
140°	288.7	288.1	287.5	286.9	286.1	285.2	283.5	281.8	281.2	280.6	280.0
145°	322.2	322.5	320.8	319.1	317.6	316.2	315.9	315.6	314.8	313.9	313.1
150°	345.2	344.3	343.5	342.6	341.5	340.3	340.3	340.3	340.3	340.3	340.3
155°	363.6	362.1	360.7	359.3	359.8	360.4	361.0	361.6	360.7	359.8	359.3
160°	380.2	381.0	379.3	377.6	376.8	375.9	375.9	375.9	376.2	376.5	377.3
165°	389.4	388.5	387.1	385.6	385.9	386.2	386.2	386.2	387.1	387.9	387.9
170°	396.8	395.4	394.5	393.7	395.1	396.6	397.1	397.7	397.4	397.1	397.1
175°	399.1	398.9	397.4	396.0	396.0	396.0	396.3	396.6	397.7	398.9	399.4
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7



REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
5°	796.1	806.7	817.4	809.0	831.4	845.1	858.9	867.9	876.8	901.5	926.2
10°	417.4	422.1	426.9	431.4	442.1	448.2	454.4	477.1	499.8	525.7	551.5
15°	189.6	186.5	183.4	187.4	204.2	222.2	240.1	271.2	302.4	343.6	384.8
20°	64.0	62.8	61.7	62.8	63.4	67.3	71.2	81.3	91.4	122.3	153.2
25°	43.2	42.9	42.6	43.2	43.8	44.6	45.4	47.7	49.9	55.0	60.0
30°	32.5	32.3	32.0	32.0	32.0	33.1	34.2	36.2	38.1	41.0	43.8
35°	22.4	22.2	21.9	21.9	22.4	23.3	24.1	25.5	26.9	29.2	31.4
40°	12.9	13.2	13.5	12.9	13.5	14.3	15.1	16.5	18.0	19.6	21.3
45°	5.6	5.6	5.6	5.6	5.6	6.5	7.3	9.0	10.7	12.6	14.6
50°	0.6	0.6	0.6	0.0	0.6	1.1	1.7	3.6	5.6	11.5	17.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	4.5	7.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
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	1.1	0.8	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°	3.4	3.1	2.9	2.9	2.9	3.1	3.4	3.8	4.0	4.0	4.0
100°	5.2	4.9	4.6	4.6	4.6	4.9	5.2	5.4	5.7	6.3	6.9
105°	15.5	14.1	12.6	12.1	12.6	14.1	15.5	18.1	20.6	24.1	27.5
110°	42.5	40.8	39.0	37.9	39.0	40.8	42.5	46.2	49.9	54.2	58.5
115°	84.4	82.1	79.8	80.3	79.8	82.1	84.4	87.8	91.2	93.9	96.4
120°	129.7	128.9	128.0	129.1	128.0	128.9	129.7	131.7	133.7	134.9	136.0
125°	169.9	169.3	168.7	171.0	168.7	169.3	169.9	170.8	171.6	173.3	175.0
130°	207.7	207.5	207.2	208.3	207.2	207.5	207.7	208.9	210.0	211.2	212.3
135°	244.5	244.5	244.5	246.2	244.5	244.5	244.5	246.2	247.9	248.8	249.6
140°	279.5	278.9	278.3	280.0	278.3	278.9	279.5	280.0	280.6	281.2	281.8
145°	312.2	312.8	313.3	315.6	313.3	312.8	312.2	313.1	313.9	314.8	315.6
150°	340.3	340.0	339.7	341.5	339.7	340.0	340.3	340.3	340.3	340.3	340.3
155°	358.6	358.6	358.6	360.9	358.6	358.6	358.6	359.3	359.8	360.7	361.6
160°	378.2	378.4	378.7	380.5	378.7	378.4	378.2	377.3	376.5	376.2	375.9
165°	387.9	388.5	389.1	390.8	389.1	388.5	387.9	387.9	387.9	387.1	386.2
170°	397.1	398.0	398.9	400.6	398.9	398.0	397.1	397.1	397.1	397.4	397.7
175°	400.0	400.3	400.6	401.7	400.6	400.3	400.0	399.4	398.9	397.7	396.6
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7



REPORT NUMBER: P400961

CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
5°	939.9	953.7	983.1	1012.6	1035.3	1058.0	1085.0	1111.9	1136.0	1160.1	1186.5
10°	581.2	610.9	653.8	696.8	743.3	789.9	834.5	879.1	923.1	967.2	1028.3
15°	421.3	457.8	488.3	518.9	565.2	611.5	672.6	733.8	803.6	873.5	938.5
20°	209.0	264.8	336.0	407.3	478.5	549.8	646.5	743.3	863.7	984.0	1065.3
25°	76.9	93.7	173.1	252.4	375.6	498.7	656.6	814.6	995.2	1175.8	1295.9
30°	48.2	52.7	83.9	115.0	249.1	383.2	652.4	921.7	1155.9	1390.1	1474.9
35°	33.4	35.3	45.7	56.1	136.9	217.7	587.9	958.2	1251.0	1543.9	1623.0
40°	23.0	24.7	30.9	37.0	78.3	119.5	507.1	894.8	1314.7	1734.6	1836.1
45°	19.4	24.1	23.8	23.6	39.8	56.1	393.5	731.0	1298.1	1865.3	2003.3
50°	17.7	18.0	15.4	12.9	18.0	23.0	307.7	592.4	1266.4	1940.5	2034.7
55°	7.3	7.3	7.9	8.4	12.1	15.7	294.8	573.9	1313.3	2052.7	2132.3
60°	2.2	2.8	4.2	5.6	9.3	12.9	247.4	481.9	1270.4	2058.9	2221.5
65°	0.3	0.6	1.4	2.2	5.0	7.9	171.7	335.5	1041.8	1748.1	1982.6
70°	0.0	0.0	0.0	0.0	1.1	2.2	69.6	136.9	682.7	1228.6	1539.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.2	26.4	258.6	490.9	858.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.5	104.6	204.8	356.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	4.0	4.0	4.0	4.0	4.3	4.6	4.3	4.0	4.0	4.0	4.0
100°	9.5	12.1	14.4	16.7	15.8	14.9	14.1	13.2	12.1	10.9	10.9
105°	31.9	36.1	38.8	41.3	40.8	40.2	38.8	37.3	36.2	35.0	35.0
110°	62.0	65.4	67.2	68.9	69.2	69.5	68.9	68.3	67.4	66.6	67.2
115°	98.2	99.9	101.3	102.7	103.6	104.5	103.6	102.7	102.2	101.6	102.2
120°	137.7	139.5	140.3	141.1	142.3	143.4	142.0	140.6	140.0	139.5	139.5
125°	176.5	177.9	178.8	179.6	180.2	180.8	179.4	177.9	177.9	177.9	177.9
130°	212.9	213.5	214.9	216.4	217.5	218.6	218.6	218.6	218.1	217.5	218.1
135°	250.2	250.8	252.5	254.2	255.7	257.1	256.8	256.5	257.4	258.2	258.8
140°	283.5	285.2	286.1	286.9	287.5	288.1	288.7	289.2	290.7	292.1	293.2
145°	315.9	316.2	317.6	319.1	320.8	322.5	322.2	322.0	321.1	320.2	321.4
150°	340.3	340.3	341.5	342.6	343.5	344.3	345.2	346.0	346.9	347.8	350.1
155°	361.0	360.4	359.8	359.3	360.7	362.1	363.6	365.0	365.5	366.1	367.8
160°	375.9	375.9	376.8	377.6	379.3	381.0	380.2	379.3	379.1	378.7	382.2
165°	386.2	386.2	385.9	385.6	387.1	388.5	389.4	390.2	389.7	389.1	391.4
170°	397.1	396.6	395.1	393.7	394.5	395.4	396.8	398.3	398.9	399.4	402.3
175°	396.3	396.0	396.0	396.0	397.4	398.9	399.1	399.4	398.9	398.3	401.1
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7



REPORT NUMBER: P400961  
 CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	0°
5°	1210.6	1232.5	1254.4	1263.9	1273.5	1271.8	1270.1	1257.2	1244.3	1223.3	1202.2	5°
10°	1081.0	1126.8	1172.5	1203.9	1235.3	1250.5	1265.6	1261.4	1257.2	1223.8	1190.4	10°
15°	993.0	1027.5	1062.0	1080.8	1099.6	1099.0	1098.4	1104.6	1110.8	1109.4	1108.0	15°
20°	1098.4	1077.4	1056.4	1028.9	1001.4	985.4	969.4	969.1	968.8	989.6	1010.4	20°
25°	1304.3	1237.3	1170.2	1078.8	987.4	954.3	921.2	924.5	927.9	956.2	984.5	25°
30°	1465.9	1376.7	1287.5	1170.0	1052.4	992.1	931.8	935.7	939.7	974.4	1009.2	30°
35°	1573.6	1475.4	1377.2	1251.6	1125.9	1052.1	978.4	985.4	992.4	1040.4	1088.3	35°
40°	1704.9	1576.1	1447.4	1330.7	1214.0	1176.1	1138.3	1154.8	1171.4	1213.4	1255.5	40°
45°	1822.7	1669.5	1516.4	1482.7	1449.1	1472.1	1495.1	1533.2	1571.3	1569.4	1567.4	45°
50°	1842.3	1765.2	1688.0	1770.2	1852.4	1939.4	2026.3	2060.5	2094.8	2056.3	2017.9	50°
55°	1997.7	1947.8	1897.8	2026.0	2154.2	2291.9	2429.7	2453.2	2476.8	2434.7	2392.6	55°
60°	2257.4	2210.9	2164.3	2281.3	2398.3	2493.3	2588.4	2601.6	2614.8	2596.6	2578.3	60°
65°	2187.9	2305.4	2422.9	2403.6	2384.2	2368.2	2352.3	2289.1	2226.0	2208.1	2190.1	65°
70°	1732.4	1793.5	1854.7	1677.9	1501.2	1460.3	1419.3	1417.1	1414.8	1363.8	1312.7	70°
75°	1021.0	1080.2	1139.4	933.8	728.2	678.2	628.3	626.1	623.8	612.9	601.9	75°
80°	387.6	410.4	433.1	377.3	321.5	349.2	377.0	338.0	299.0	299.3	299.6	80°
85°	53.3	38.7	24.1	15.7	7.3	3.6	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°	4.0	4.0	4.0	4.3	4.6	4.3	4.0	4.0	4.0	4.0	4.0	95°
100°	10.9	12.1	13.2	14.1	14.9	15.8	16.7	14.4	12.1	9.5	6.9	100°
105°	35.0	36.1	37.3	38.7	40.2	40.7	41.3	38.8	36.1	31.9	27.5	105°
110°	66.6	67.4	68.3	68.9	69.5	69.2	68.9	67.2	65.4	62.0	58.5	110°
115°	101.6	102.2	102.7	103.6	104.5	103.6	102.7	101.3	99.9	98.2	96.4	115°
120°	139.5	140.0	140.6	142.0	143.4	142.3	141.1	140.3	139.5	137.7	136.0	120°
125°	177.9	177.9	177.9	179.4	180.8	180.2	179.6	178.8	177.9	176.5	175.0	125°
130°	217.5	218.1	218.6	218.6	218.6	217.5	216.4	214.9	213.5	212.9	212.3	130°
135°	258.2	257.4	256.5	256.8	257.1	255.6	254.2	252.5	250.8	250.2	249.6	135°
140°	292.1	290.7	289.2	288.6	288.1	287.5	286.9	286.1	285.2	283.5	281.8	140°
145°	320.2	321.1	322.0	322.2	322.5	320.8	319.1	317.6	316.2	315.9	315.6	145°
150°	347.8	346.9	346.0	345.2	344.3	343.4	342.6	341.5	340.3	340.3	340.3	150°
155°	366.1	365.5	365.0	363.5	362.1	360.7	359.3	359.8	360.4	361.0	361.6	155°
160°	378.7	379.1	379.3	380.2	381.0	379.3	377.6	376.8	375.9	375.9	375.9	160°
165°	389.1	389.7	390.2	389.4	388.5	387.1	385.6	385.9	386.2	386.2	386.2	165°
170°	399.4	398.9	398.3	396.8	395.4	394.5	393.7	395.1	396.6	397.1	397.7	170°
175°	398.3	398.9	399.4	399.1	398.9	397.4	396.0	396.0	396.0	396.3	396.6	175°
180°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	180°



IUMBER: P400961

NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
1176.4	1150.6	1118.6	1086.6	1053.5	1020.5	985.7
1138.3	1086.1	1029.1	972.2	924.0	875.7	823.5
1083.0	1058.0	1010.9	963.8	912.2	860.6	793.2
1044.6	1078.8	1082.2	1085.5	1047.4	1009.2	925.6
1057.5	1130.4	1194.9	1259.4	1263.9	1268.4	1161.3
1081.3	1153.4	1242.0	1330.7	1392.1	1453.5	1340.8
1150.0	1211.8	1308.5	1405.3	1520.9	1636.4	1511.3
1293.1	1330.7	1421.8	1513.0	1667.6	1822.1	1702.1
1526.2	1485.0	1504.9	1524.8	1707.4	1890.0	1830.5
1866.7	1715.5	1642.3	1569.1	1764.6	1960.1	2001.6
2185.6	1978.6	1883.0	1787.3	1975.5	2163.8	2292.8
2452.4	2326.4	2241.5	2156.5	2326.7	2497.0	2456.6
2210.3	2230.5	2374.7	2518.9	2559.3	2599.7	2352.8
1403.3	1493.9	1807.2	2120.6	2105.7	2090.8	1766.0
680.2	758.5	1014.3	1270.1	1004.7	739.4	545.3
270.4	241.2	235.9	230.6	136.9	43.2	25.2
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
4.0	4.0	3.8	3.4	3.1	2.9	2.9
6.3	5.7	5.4	5.2	4.9	4.6	4.6
24.1	20.6	18.1	15.5	14.1	12.6	12.1
54.2	49.9	46.2	42.5	40.8	39.0	37.9
93.9	91.2	87.8	84.4	82.1	79.8	80.3
134.9	133.7	131.7	129.7	128.9	128.0	129.1
173.3	171.6	170.8	169.9	169.3	168.7	171.0
211.2	210.0	208.9	207.7	207.5	207.2	208.3
248.8	247.9	246.2	244.5	244.5	244.5	246.2
281.2	280.6	280.0	279.5	278.9	278.3	280.0
314.8	313.9	313.1	312.2	312.8	313.3	315.6
340.3	340.3	340.3	340.3	340.0	339.7	341.5
360.7	359.8	359.3	358.6	358.6	358.6	360.9
376.2	376.5	377.3	378.2	378.4	378.7	380.5
387.1	387.9	387.9	387.9	388.5	389.1	390.8
397.4	397.1	397.1	397.1	398.0	398.9	400.6
397.7	398.9	399.4	400.0	400.3	400.6	401.7
401.7	401.7	401.7	401.7	401.7	401.7	401.7

(END OF REPORT)