

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:

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

Issue Date: 3/30/2022

Test Information

Test Method: LM-79-08
Report Number: REPORT IS A COMBINATION OF REPORTS P400962 AND P226775
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2022
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: 3828.9 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')
IES Classification: Type IV - Short
BUG Rating: B0 - U5 - G1

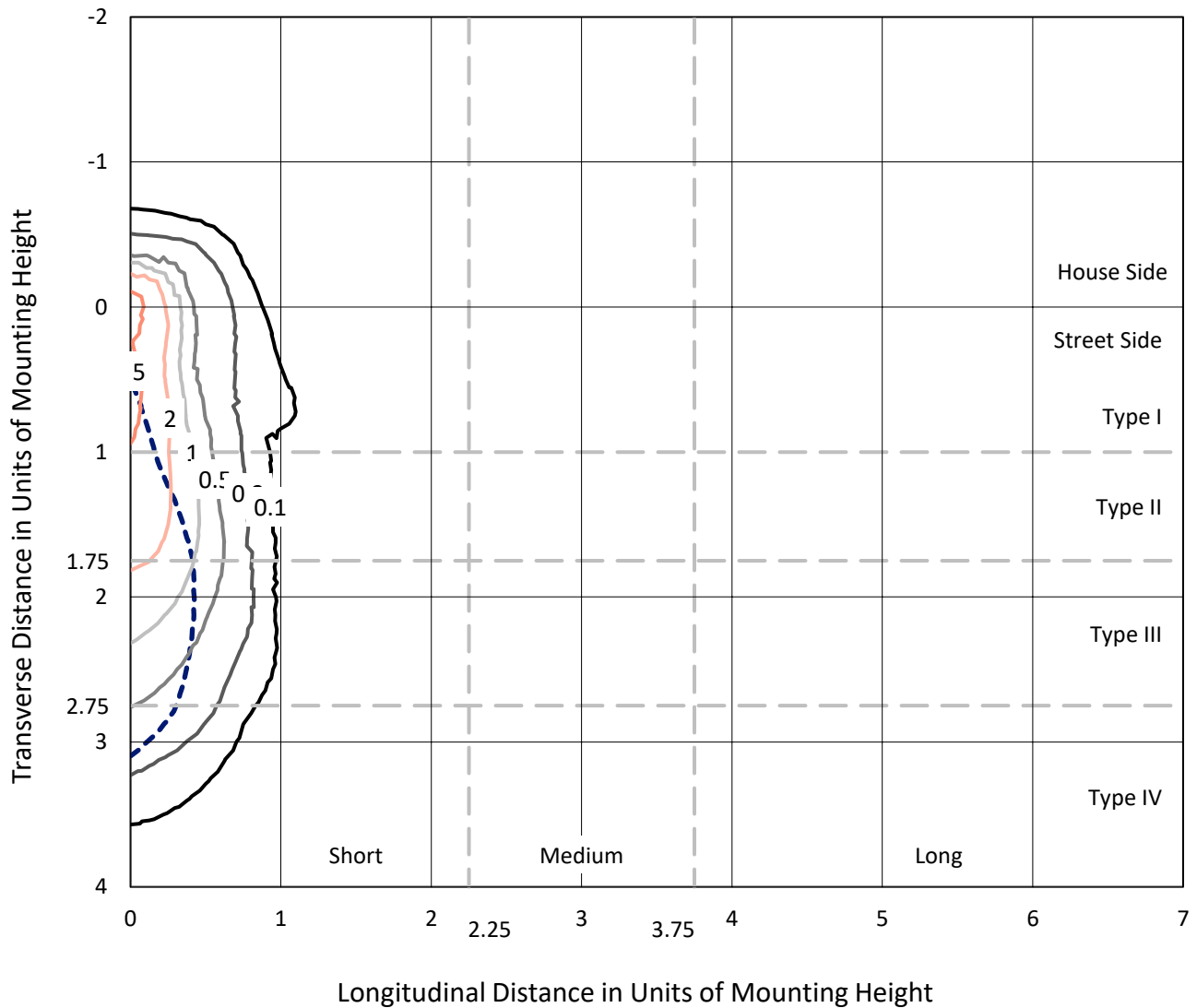
Input Watts (W): 36.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

Iso-Footcandle Lines of Horizontal Illumination

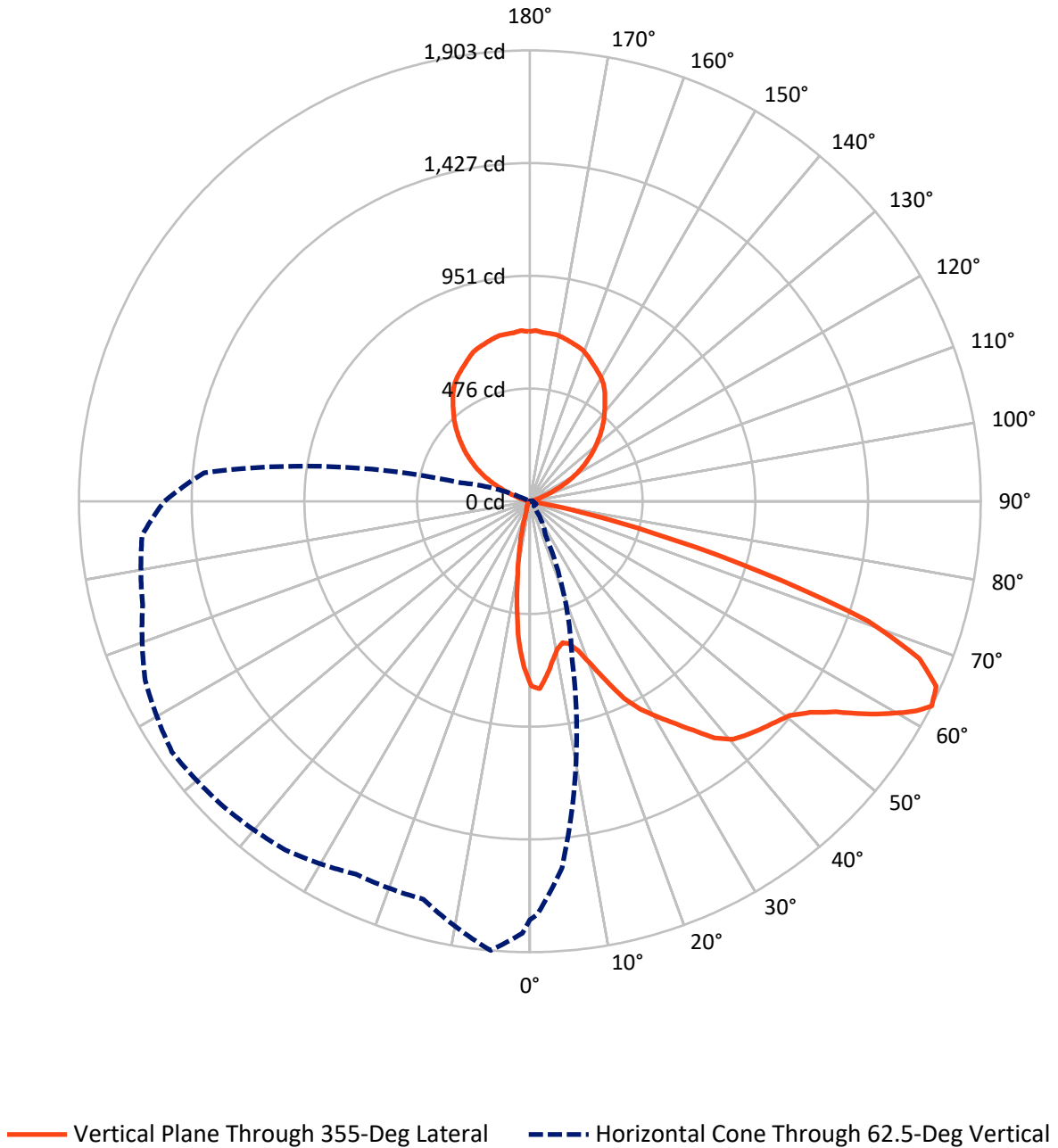
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

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

Luminous Intensity Polar Plot



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

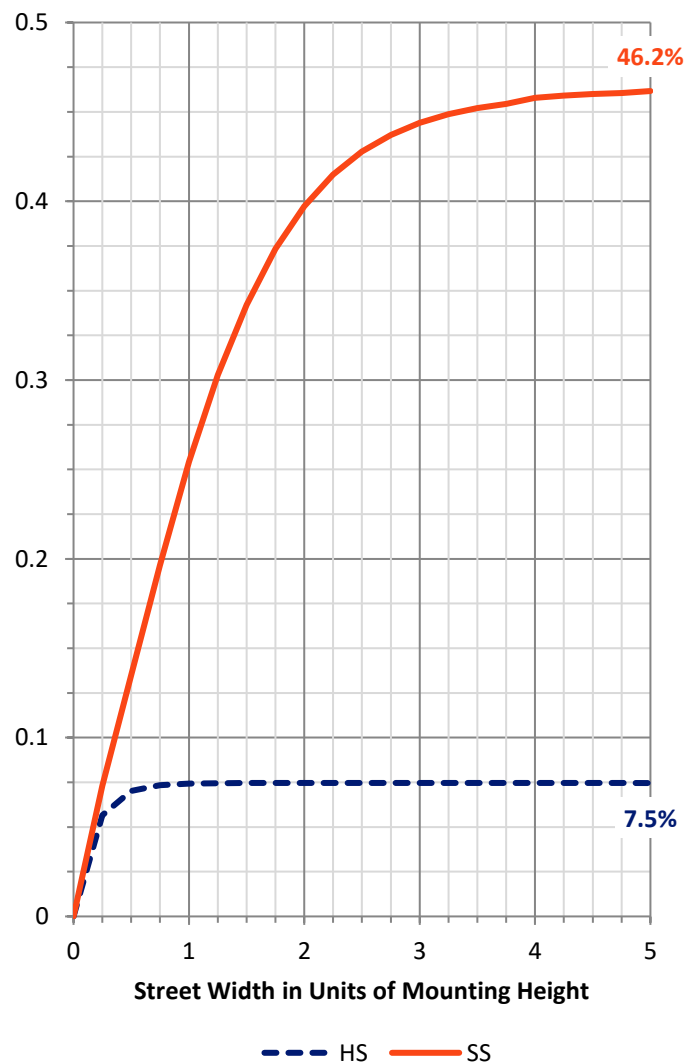
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.1	887.0	1176.0
	% Fixture	7.5	23.2	30.7
Street Side	Lumens	1765.9	887.0	2652.9
	% Fixture	46.1	23.2	69.3
Total	Lumens	2055.0	1773.9	3828.9
	% Fixture	53.7	46.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.5
10°-20°	111.1	2.9
20°-30°	154.6	4.0
30°-40°	223.6	5.8
40°-50°	320.6	8.4
50°-60°	465.1	12.1
60°-70°	503.2	13.1
70°-80°	203.2	5.3
80°-90°	15.1	0.4
90°-100°	8.4	0.2
100°-110°	58.7	1.5
110°-120°	169.9	4.4
120°-130°	279.4	7.3
130°-140°	344.6	9.0
140°-150°	352.5	9.2
150°-160°	297.0	7.8
160°-170°	195.5	5.1
170°-180°	67.8	1.8
0°-90°	2055.0	53.7
0°-180°	3828.9	100.0



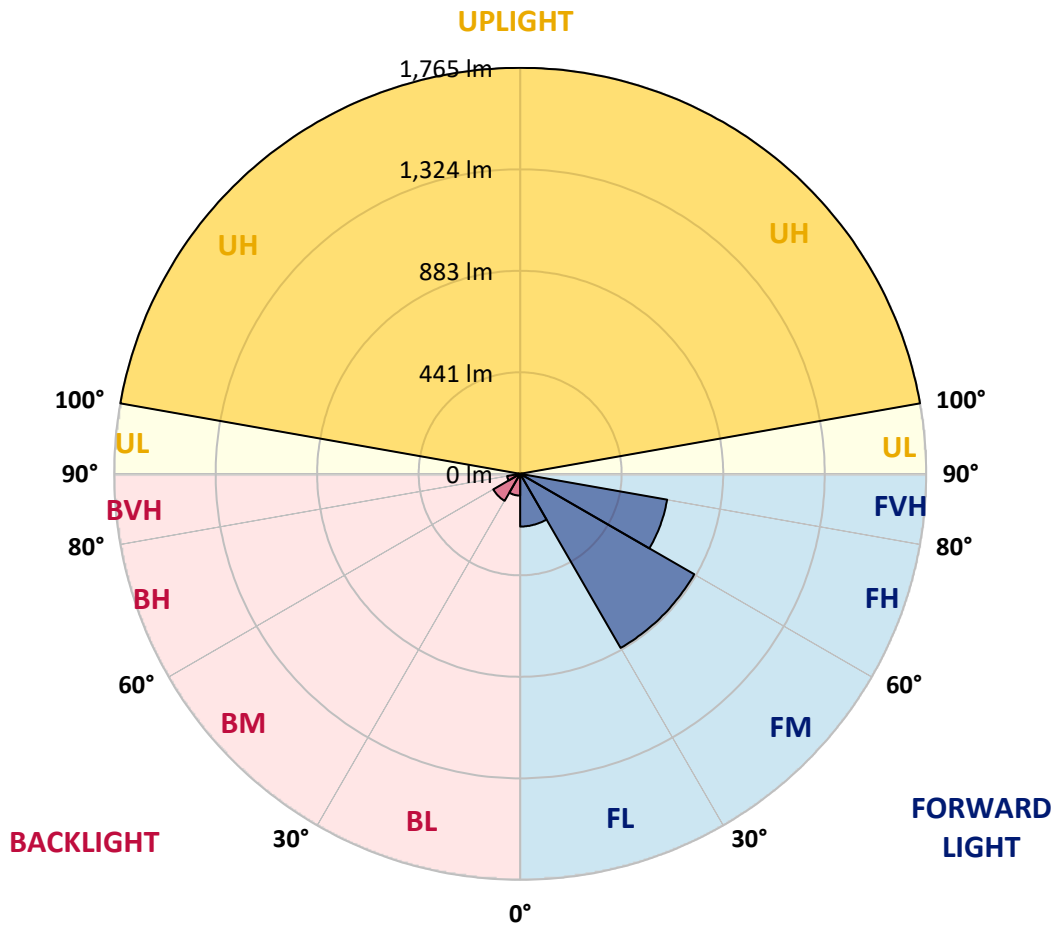
REPORT NUMBER:
 CATALOG NUMBER: ENV-SA1A-740-U-SLR-HSS-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.4	6.0			
FM (30°-60°)	874.0	22.8			
FH (60°-80°)	649.0	16.9			G0/660
FVH (80°-90°)	13.5	0.4			G1/100
BL (0°-30°)	94.8	2.5	B0/110		
BM (30°-60°)	135.3	3.5	B0/220		
BH (60°-80°)	57.5	1.5	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	8.4	0.2		U1/10	
UH (100°-180°)	1765.5	46.1		U5	

BUG Rating: B0-U5-G1

Type IV Short





REPORT NUMBER:

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	782.8	779.5	772.2	756.3	733.6	718.9	709.6	697.4	684.8	680.7	672.6
5°	714.4	709.2	699.0	659.1	623.4	587.6	562.0	537.6	529.4	513.2	522.9
7.5°	648.6	646.1	622.5	570.9	514.0	468.0	438.8	403.0	392.4	375.7	362.3
10°	596.9	594.9	566.4	498.9	437.5	399.3	376.1	353.0	329.8	306.2	287.5
12.5°	570.9	566.4	533.5	460.7	403.8	372.1	347.7	316.8	292.0	260.2	237.5
15°	575.0	570.9	533.1	454.6	387.5	343.6	307.4	270.8	235.8	204.5	182.2
17.5°	607.5	605.9	559.9	459.9	368.0	309.8	261.5	212.3	170.8	137.0	117.9
20°	670.9	666.1	599.4	471.3	347.7	270.8	204.5	143.9	109.4	86.2	78.1
22.5°	749.4	738.4	661.6	488.0	328.1	228.9	148.0	96.8	78.1	69.1	63.4
25°	841.7	842.1	738.8	510.3	308.6	189.9	103.7	76.9	65.9	59.4	54.5
27.5°	916.5	910.8	808.4	532.7	287.5	155.7	87.0	67.1	57.7	50.8	48.0
30°	971.8	963.3	854.3	548.1	260.2	131.7	78.1	63.8	54.5	46.8	43.1
32.5°	1028.8	1018.2	895.8	556.7	244.0	120.4	69.1	55.7	48.8	45.5	40.7
35°	1095.5	1086.1	941.7	555.9	235.4	113.9	62.6	50.4	41.5	36.2	32.9
37.5°	1169.9	1150.8	989.3	552.2	229.3	110.6	56.9	46.8	38.6	32.9	28.9
40°	1233.7	1214.6	1033.2	547.3	225.3	107.3	53.7	44.3	36.6	30.5	26.4
42.5°	1283.7	1265.4	1074.3	541.2	223.2	100.4	55.3	42.7	35.0	28.9	24.4
45°	1326.8	1308.1	1123.1	540.4	222.4	95.6	54.5	42.3	34.2	26.8	22.8
47.5°	1376.8	1367.1	1187.4	553.8	219.2	91.9	50.0	45.5	33.8	26.0	21.6
50°	1450.8	1442.3	1271.5	593.7	214.3	88.2	45.5	50.0	33.8	25.2	20.3
52.5°	1554.5	1544.8	1404.1	645.7	209.8	84.2	41.1	48.4	34.2	24.0	19.5
55°	1661.9	1660.3	1529.3	701.0	205.8	75.2	36.2	43.5	33.3	22.4	18.3
57.5°	1746.1	1744.8	1623.3	738.4	198.0	60.6	32.9	36.2	30.9	20.3	16.7
60°	1780.6	1770.5	1633.4	738.4	180.1	50.0	30.1	28.5	31.3	18.3	14.6
61°	1780.6	1767.6	1615.1	727.5	171.2	47.6	28.5	26.4	32.1	17.5	13.8
62.5°	1766.8	1745.2	1552.5	688.0	157.0	47.6	26.0	23.6	29.3	16.7	12.6
65°	1705.4	1670.0	1405.7	598.1	142.3	48.8	22.4	19.9	21.1	14.2	11.0
67.5°	1553.7	1513.9	1215.4	473.3	130.5	51.6	18.7	17.5	16.3	12.6	9.8
70°	1280.1	1246.3	991.8	354.6	121.2	52.5	16.3	14.6	13.8	11.0	8.5
72.5°	818.1	762.4	619.3	240.3	97.2	45.5	13.4	13.8	12.6	8.9	6.9
75°	395.2	410.7	360.3	121.2	65.5	29.7	10.6	11.4	10.2	8.1	6.1
77.5°	176.9	173.6	172.0	30.9	16.7	10.2	6.5	7.7	8.1	7.3	5.3
80°	18.3	24.8	14.6	9.4	6.1	4.5	3.7	4.1	4.9	5.3	2.8
82.5°	0.8	0.4	0.4	1.2	1.2	0.8	0.0	0.0	0.8	0.8	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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
92.5°	4.1	4.1	4.1	5.1	6.1	6.1	6.1	7.2	7.2	6.1	6.1
95°	5.1	5.1	5.1	6.1	7.2	7.2	7.2	7.2	8.2	7.2	7.2
97.5°	7.2	7.2	7.2	8.2	8.2	9.2	9.2	12.3	10.2	9.2	8.2
100°	8.2	8.2	8.2	9.2	10.2	12.3	21.5	29.7	26.6	23.5	19.4
102.5°	11.3	11.3	11.3	13.3	18.4	27.6	40.9	51.1	48.1	43.0	39.9
105°	21.5	21.7	22.5	27.6	36.8	49.1	64.4	73.7	71.6	66.5	62.4
107.5°	41.9	42.1	43.0	50.1	59.3	74.7	90.0	97.2	96.2	92.1	89.0



REPORT NUMBER:

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

CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	67.5	67.9	69.6	75.7	89.0	104.3	116.6	122.8	123.8	121.7	118.7
112.5°	101.3	101.3	101.3	108.4	123.8	137.1	146.3	151.4	153.4	152.4	150.4
115°	143.2	143.0	142.2	150.4	162.6	171.9	178.0	183.1	186.2	183.1	181.1
117.5°	188.2	188.2	188.2	193.3	201.5	206.6	209.7	215.8	219.9	214.8	212.8
120°	230.2	229.8	228.1	231.2	238.3	242.4	248.6	251.6	255.7	250.6	248.6
122.5°	269.0	268.4	266.0	267.0	273.1	277.2	283.4	285.4	289.5	284.4	282.3
125°	304.8	304.0	300.7	302.8	305.9	312.0	317.1	320.2	322.2	317.1	317.1
127.5°	337.6	337.4	336.6	336.6	340.6	346.8	347.8	352.9	353.9	353.9	352.9
130°	371.3	370.9	369.3	370.3	374.4	378.5	380.5	385.7	389.7	389.7	387.7
132.5°	405.1	404.7	403.0	402.0	410.2	413.3	414.3	420.4	425.5	423.5	423.5
135°	438.8	438.2	435.8	435.8	441.9	445.0	447.0	453.2	458.3	457.3	460.3
137.5°	470.6	470.0	467.5	469.5	470.6	474.6	478.7	483.9	485.9	486.9	492.0
140°	499.2	498.6	496.1	498.2	500.2	502.3	508.4	511.5	513.5	515.6	520.7
142.5°	529.9	529.3	526.8	528.9	529.9	533.0	537.0	539.1	545.2	545.2	546.3
145°	562.6	561.8	558.5	556.5	559.6	562.6	563.6	568.8	574.9	573.9	570.8
147.5°	588.2	587.6	585.1	584.1	587.2	587.2	588.2	593.3	598.4	599.4	596.4
150°	608.7	608.1	605.6	606.6	606.6	606.6	606.6	610.7	613.8	616.8	619.9
152.5°	625.0	624.4	622.0	622.0	623.0	624.0	624.0	625.0	628.1	632.2	637.3
155°	643.4	642.6	639.3	639.3	641.4	644.5	642.4	640.4	645.5	650.6	652.6
157.5°	660.8	660.2	657.8	657.8	658.8	660.8	659.8	658.8	662.9	664.9	664.9
160°	678.2	677.6	675.1	674.1	671.1	670.0	670.0	673.1	679.2	676.2	675.1
162.5°	688.4	687.6	684.4	684.4	680.3	676.2	678.2	682.3	686.4	685.4	683.3
165°	696.6	696.0	693.6	691.5	691.5	688.4	688.4	687.4	692.5	695.6	693.6
167.5°	705.8	705.2	702.8	699.7	701.7	703.8	700.7	693.6	699.7	703.8	703.8
170°	714.0	713.4	711.0	707.9	707.9	708.9	706.9	701.7	704.8	709.9	712.0
172.5°	715.0	714.6	713.0	711.0	708.9	705.8	705.8	704.8	707.9	709.9	712.0
175°	716.1	715.7	714.0	713.0	711.0	706.9	705.8	705.8	711.0	712.0	709.9
177.5°	723.2	722.8	721.2	716.1	715.0	713.0	711.0	709.9	715.0	717.1	714.0
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	665.2	676.2	671.3	670.1	676.6	673.4	683.1	683.5	690.9	700.6	706.7
5°	522.9	514.4	531.5	542.8	557.1	552.6	569.7	567.7	577.0	592.5	586.4
7.5°	363.1	364.3	373.3	383.4	421.7	429.4	435.1	439.6	439.2	442.8	449.3
10°	277.7	270.8	264.7	278.9	294.0	310.7	313.1	319.2	302.5	309.4	312.7
12.5°	227.3	219.2	205.8	198.4	202.1	211.9	215.9	219.6	209.8	210.2	217.5
15°	172.4	161.4	156.1	146.4	142.7	141.9	143.9	138.7	137.4	133.0	135.8
17.5°	112.2	109.0	106.1	104.1	101.3	100.4	93.1	80.5	73.2	71.6	71.6
20°	74.8	72.4	72.4	76.4	75.2	72.0	62.2	51.6	46.4	44.7	45.5
22.5°	61.4	59.8	57.3	57.3	59.0	56.5	47.6	39.8	36.2	36.2	36.2
25°	53.3	52.5	50.0	47.6	48.4	46.4	38.6	33.8	31.3	30.9	31.3
27.5°	46.8	46.4	43.5	41.1	41.1	39.4	33.3	28.9	27.2	26.4	26.8
30°	42.3	41.5	38.2	36.2	35.8	34.2	28.5	25.2	23.6	23.2	23.2
32.5°	39.0	37.4	34.6	32.5	31.3	28.9	24.8	21.6	19.9	19.5	19.5
35°	31.3	31.3	30.1	28.9	27.2	23.6	20.7	17.9	16.3	15.9	15.9
37.5°	27.2	25.6	23.6	24.0	23.2	19.9	17.1	14.2	13.0	12.6	12.6
40°	24.8	22.8	19.9	18.7	19.1	17.5	14.2	11.0	9.4	9.8	9.4
42.5°	22.4	20.7	17.5	14.6	14.2	14.6	11.0	7.7	6.5	6.5	6.5
45°	20.7	19.1	15.5	12.2	10.2	11.4	8.5	5.3	4.1	4.1	4.1
47.5°	19.5	17.9	13.8	10.2	7.3	7.7	6.1	3.3	2.4	1.6	2.0
50°	18.7	16.7	12.6	8.1	5.3	4.5	4.1	1.6	0.4	0.4	0.0
52.5°	17.5	15.9	11.4	6.9	4.1	2.8	2.0	0.4	0.0	0.0	0.0
55°	16.7	14.6	10.2	6.1	3.3	1.6	0.4	0.0	0.0	0.0	0.0
57.5°	15.0	13.4	8.9	4.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0
60°	13.4	12.2	7.7	3.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
61°	12.6	11.4	7.3	3.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11.8	10.6	6.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	10.2	8.9	5.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8.9	8.1	4.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7.7	6.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6.5	6.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	5.7	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.5	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	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
87.5°	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
92.5°	6.1	6.1	6.1	7.2	7.2	6.1	6.1	6.1	5.1	4.1	4.1
95°	7.2	7.2	7.2	8.2	7.2	7.2	7.2	7.2	6.1	5.1	5.1
97.5°	8.2	8.2	9.2	10.2	12.3	9.2	9.2	8.2	8.2	7.2	7.2
100°	19.4	19.4	23.5	26.6	29.7	21.5	12.3	10.2	9.2	8.2	8.2
102.5°	38.9	39.9	43.0	48.1	51.1	40.9	27.6	18.4	13.3	11.3	11.3
105°	62.4	62.4	66.5	71.6	73.7	64.4	49.1	36.8	27.6	22.5	21.5
107.5°	88.0	89.0	92.1	96.2	97.2	90.0	74.7	59.3	50.1	43.0	41.9



REPORT NUMBER:

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	119.7	118.7	121.7	123.8	122.8	116.6	104.3	89.0	75.7	69.6	67.5
112.5°	150.4	150.4	152.4	153.4	151.4	146.3	137.1	123.8	108.4	101.3	101.3
115°	182.1	181.1	183.1	186.2	183.1	178.0	171.9	162.6	150.4	142.2	143.2
117.5°	213.8	212.8	214.8	219.9	215.8	209.7	206.6	201.5	193.3	188.2	188.2
120°	248.6	248.6	250.6	255.7	251.6	248.6	242.4	238.3	231.2	228.1	230.2
122.5°	283.4	282.3	284.4	289.5	285.4	283.4	277.2	273.1	267.0	266.0	269.0
125°	317.1	317.1	317.1	322.2	320.2	317.1	312.0	305.9	302.8	300.7	304.8
127.5°	355.0	352.9	353.9	353.9	352.9	347.8	346.8	340.6	336.6	336.6	337.6
130°	388.7	387.7	389.7	389.7	385.7	380.5	378.5	374.4	370.3	369.3	371.3
132.5°	424.5	423.5	423.5	425.5	420.4	414.3	413.3	410.2	402.0	403.0	405.1
135°	461.4	460.3	457.3	458.3	453.2	447.0	445.0	441.9	435.8	435.8	438.8
137.5°	493.1	492.0	486.9	485.9	483.9	478.7	474.6	470.6	469.5	467.5	470.6
140°	522.7	520.7	515.6	513.5	511.5	508.4	502.3	500.2	498.2	496.1	499.2
142.5°	548.3	546.3	545.2	545.2	539.1	537.0	533.0	529.9	528.9	526.8	529.9
145°	572.9	570.8	573.9	574.9	568.8	563.6	562.6	559.6	556.5	558.5	562.6
147.5°	598.4	596.4	599.4	598.4	593.3	588.2	587.2	587.2	584.1	585.1	588.2
150°	624.0	619.9	616.8	613.8	610.7	606.6	606.6	606.6	606.6	605.6	608.7
152.5°	642.4	637.3	632.2	628.1	625.0	624.0	624.0	623.0	622.0	622.0	625.0
155°	655.7	652.6	650.6	645.5	640.4	642.4	644.5	641.4	639.3	639.3	643.4
157.5°	670.0	664.9	664.9	662.9	658.8	659.8	660.8	658.8	657.8	657.8	660.8
160°	681.3	675.1	676.2	679.2	673.1	670.0	670.0	671.1	674.1	675.1	678.2
162.5°	689.5	683.3	685.4	686.4	682.3	678.2	676.2	680.3	684.4	684.4	688.4
165°	697.7	693.6	695.6	692.5	687.4	688.4	688.4	691.5	691.5	693.6	696.6
167.5°	709.9	703.8	703.8	699.7	693.6	700.7	703.8	701.7	699.7	702.8	705.8
170°	717.1	712.0	709.9	704.8	701.7	706.9	708.9	707.9	707.9	711.0	714.0
172.5°	717.1	712.0	709.9	707.9	704.8	705.8	705.8	708.9	711.0	713.0	715.0
175°	715.0	709.9	712.0	711.0	705.8	705.8	706.9	711.0	713.0	714.0	716.1
177.5°	718.1	714.0	717.1	715.0	709.9	711.0	713.0	715.0	716.1	721.2	723.2
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER:

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	712.4	726.6	740.1	757.1	766.5	792.1	810.4	825.9	838.1	840.5	850.3
5°	602.6	622.5	635.6	671.3	691.3	734.0	766.9	805.9	840.9	860.0	877.5
7.5°	453.8	463.6	485.9	521.7	568.9	605.9	661.6	710.8	773.8	808.4	840.9
10°	320.4	329.4	362.3	399.7	442.8	505.0	572.5	637.2	701.0	745.3	783.6
12.5°	225.3	254.5	287.1	334.7	376.9	422.5	494.5	570.1	649.8	692.1	733.6
15°	148.0	174.0	219.2	278.9	331.8	376.1	443.2	531.9	633.1	680.3	719.7
17.5°	73.2	92.3	132.2	196.4	266.7	336.7	417.6	525.0	654.7	707.9	744.9
20°	45.9	51.6	66.3	111.0	191.9	295.2	398.5	538.8	713.2	772.2	796.2
22.5°	37.0	38.6	44.3	59.0	117.1	244.0	381.8	557.5	777.5	849.4	874.2
25°	31.7	32.9	36.2	43.5	67.9	183.0	361.5	590.4	852.3	939.3	945.4
27.5°	27.2	28.5	31.3	37.0	48.4	123.2	332.2	629.1	941.7	1018.2	1014.1
30°	23.2	24.8	27.7	31.7	38.2	83.4	277.7	668.1	1007.6	1069.0	1062.5
32.5°	19.9	21.1	23.6	27.2	31.7	57.3	208.6	693.7	1062.5	1117.0	1102.8
35°	16.3	17.5	19.5	22.8	25.6	40.7	157.8	694.5	1119.0	1176.4	1140.6
37.5°	13.0	13.8	15.9	18.7	21.1	31.7	115.9	681.1	1189.0	1253.6	1183.7
40°	9.8	11.0	13.0	15.5	17.9	26.8	86.6	648.6	1257.3	1330.9	1235.7
42.5°	6.5	8.1	10.2	12.6	17.1	21.6	61.0	594.5	1312.6	1399.6	1286.6
45°	4.1	5.3	7.7	10.6	17.5	17.1	40.7	529.8	1352.0	1452.1	1321.1
47.5°	2.0	3.3	5.7	10.2	15.5	12.6	25.2	468.0	1387.8	1482.6	1337.0
50°	0.4	1.2	4.1	12.6	13.0	9.4	16.7	429.4	1406.5	1474.8	1335.4
52.5°	0.0	0.0	2.8	12.2	9.4	7.3	13.0	423.7	1435.8	1485.0	1363.4
55°	0.0	0.0	1.2	5.3	5.3	6.1	11.4	416.0	1487.8	1545.6	1448.0
57.5°	0.0	0.0	0.0	2.4	3.3	4.9	10.6	395.6	1542.7	1609.8	1550.9
60°	0.0	0.0	0.0	1.2	2.0	4.1	9.4	349.3	1492.3	1610.2	1636.3
61°	0.0	0.0	0.0	1.2	1.6	3.7	8.5	333.0	1447.2	1584.2	1646.8
62.5°	0.0	0.0	0.0	0.4	1.2	2.8	7.3	300.9	1379.7	1542.3	1642.0
65°	0.0	0.0	0.0	0.0	0.4	1.6	5.7	243.2	1267.1	1437.0	1585.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.4	3.7	171.2	1105.2	1317.9	1465.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	99.2	890.5	1115.8	1255.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	45.1	577.8	861.6	990.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	355.8	622.5	740.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	241.1	414.4	498.1
80°	0.0	0.8	0.4	0.0	0.0	0.0	0.0	3.3	148.4	258.6	281.0
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	76.9	182.6	186.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	38.6
87.5°	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
92.5°	4.1	5.1	6.1	6.1	6.1	7.2	7.2	6.1	6.1	6.1	6.1
95°	5.1	6.1	7.2	7.2	7.2	7.2	8.2	7.2	7.2	7.2	7.2
97.5°	7.2	8.2	8.2	9.2	9.2	12.3	10.2	9.2	8.2	8.2	8.2
100°	8.2	9.2	10.2	12.3	21.5	29.7	26.6	23.5	19.4	19.4	19.4
102.5°	11.3	13.3	18.4	27.6	40.9	51.1	48.1	43.0	39.9	38.9	39.9
105°	22.5	27.6	36.8	49.1	64.4	73.7	71.6	66.5	62.4	62.4	62.4
107.5°	43.0	50.1	59.3	74.7	90.0	97.2	96.2	92.1	89.0	88.0	89.0



REPORT NUMBER:

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
110°	69.6	75.7	89.0	104.3	116.6	122.8	123.8	121.7	118.7	119.7	118.7
112.5°	101.3	108.4	123.8	137.1	146.3	151.4	153.4	152.4	150.4	150.4	150.4
115°	142.2	150.4	162.6	171.9	178.0	183.1	186.2	183.1	181.1	182.1	181.1
117.5°	188.2	193.3	201.5	206.6	209.7	215.8	219.9	214.8	212.8	213.8	212.8
120°	228.1	231.2	238.3	242.4	248.6	251.6	255.7	250.6	248.6	248.6	248.6
122.5°	266.0	267.0	273.1	277.2	283.4	285.4	289.5	284.4	282.3	283.4	282.3
125°	300.7	302.8	305.9	312.0	317.1	320.2	322.2	317.1	317.1	317.1	317.1
127.5°	336.6	336.6	340.6	346.8	347.8	352.9	353.9	353.9	352.9	355.0	352.9
130°	369.3	370.3	374.4	378.5	380.5	385.7	389.7	389.7	387.7	388.7	387.7
132.5°	403.0	402.0	410.2	413.3	414.3	420.4	425.5	423.5	423.5	424.5	423.5
135°	435.8	435.8	441.9	445.0	447.0	453.2	458.3	457.3	460.3	461.4	460.3
137.5°	467.5	469.5	470.6	474.6	478.7	483.9	485.9	486.9	492.0	493.1	492.0
140°	496.1	498.2	500.2	502.3	508.4	511.5	513.5	515.6	520.7	522.7	520.7
142.5°	526.8	528.9	529.9	533.0	537.0	539.1	545.2	545.2	546.3	548.3	546.3
145°	558.5	556.5	559.6	562.6	563.6	568.8	574.9	573.9	570.8	572.9	570.8
147.5°	585.1	584.1	587.2	587.2	588.2	593.3	598.4	599.4	596.4	598.4	596.4
150°	605.6	606.6	606.6	606.6	606.6	610.7	613.8	616.8	619.9	624.0	619.9
152.5°	622.0	622.0	623.0	624.0	624.0	625.0	628.1	632.2	637.3	642.4	637.3
155°	639.3	639.3	641.4	644.5	642.4	640.4	645.5	650.6	652.6	655.7	652.6
157.5°	657.8	657.8	658.8	660.8	659.8	658.8	662.9	664.9	664.9	670.0	664.9
160°	675.1	674.1	671.1	670.0	670.0	673.1	679.2	676.2	675.1	681.3	675.1
162.5°	684.4	684.4	680.3	676.2	678.2	682.3	686.4	685.4	683.3	689.5	683.3
165°	693.6	691.5	691.5	688.4	688.4	687.4	692.5	695.6	693.6	697.7	693.6
167.5°	702.8	699.7	701.7	703.8	700.7	693.6	699.7	703.8	703.8	709.9	703.8
170°	711.0	707.9	707.9	708.9	706.9	701.7	704.8	709.9	712.0	717.1	712.0
172.5°	713.0	711.0	708.9	705.8	705.8	704.8	707.9	709.9	712.0	717.1	712.0
175°	714.0	713.0	711.0	706.9	705.8	705.8	711.0	712.0	709.9	715.0	709.9
177.5°	721.2	716.1	715.0	713.0	711.0	709.9	715.0	717.1	714.0	718.1	714.0
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER:

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	859.2	861.6	863.3	860.4	842.9	833.2	813.7	792.1	784.8	782.8
5°	909.2	923.0	920.6	901.9	871.4	834.0	787.6	739.7	721.4	714.4
7.5°	899.5	935.6	942.6	923.0	871.4	805.9	738.8	681.9	655.5	648.6
10°	849.9	895.4	917.4	911.3	862.9	787.2	704.7	634.7	605.9	596.9
12.5°	801.9	845.8	859.6	864.5	838.1	772.6	687.6	612.4	582.3	570.9
15°	769.7	797.0	796.2	805.1	803.1	766.9	698.6	623.8	590.0	575.0
17.5°	759.2	751.0	740.5	747.8	762.0	768.5	734.4	664.4	625.0	607.5
20°	765.7	725.8	702.7	702.2	732.3	781.9	786.8	731.5	694.5	670.9
22.5°	799.0	713.2	677.4	678.3	715.3	801.9	847.4	819.4	778.7	749.4
25°	848.2	715.7	667.7	672.6	713.6	819.4	912.9	919.4	867.3	841.7
27.5°	898.2	736.8	668.1	673.4	720.5	828.7	950.3	993.0	948.3	916.5
30°	933.2	762.8	675.4	681.1	731.5	836.0	964.5	1053.6	1007.2	971.8
32.5°	966.1	789.7	687.2	692.9	753.5	851.1	991.4	1114.6	1063.7	1028.8
35°	998.3	816.1	709.2	719.3	788.9	878.3	1018.6	1186.1	1143.8	1095.5
37.5°	1025.9	845.4	747.0	768.5	836.8	920.2	1055.6	1267.5	1223.9	1169.9
40°	1049.1	879.9	825.0	849.0	910.0	964.5	1096.7	1320.7	1291.9	1233.7
42.5°	1067.8	940.9	936.9	970.6	1013.3	1015.3	1108.5	1346.3	1335.4	1283.7
45°	1099.1	1050.3	1083.7	1139.0	1136.1	1076.3	1105.2	1369.9	1370.7	1326.8
47.5°	1150.3	1187.4	1283.7	1321.1	1302.0	1159.7	1108.5	1393.1	1411.4	1376.8
50°	1223.5	1342.7	1468.7	1518.3	1462.6	1243.5	1137.3	1420.8	1476.1	1450.8
52.5°	1286.2	1460.2	1639.5	1683.8	1607.8	1332.9	1204.8	1480.5	1562.7	1554.5
55°	1375.6	1561.4	1761.1	1795.3	1734.3	1434.2	1295.5	1568.4	1657.8	1661.9
57.5°	1467.1	1652.9	1840.4	1875.0	1828.6	1560.2	1424.4	1694.4	1747.3	1746.1
60°	1568.8	1738.3	1876.2	1895.3	1868.9	1686.3	1563.1	1809.9	1808.7	1780.6
61°	1626.9	1765.6	1873.7	1879.4	1853.8	1723.3	1634.6	1854.2	1817.6	1780.6
62.5°	1691.2	1790.4	1843.6	1824.5	1796.9	1736.3	1738.3	1902.6	1823.7	1766.8
65°	1756.2	1728.2	1705.0	1613.5	1587.5	1616.7	1825.8	1884.3	1786.7	1705.4
67.5°	1644.8	1480.9	1430.9	1339.0	1236.1	1355.7	1742.8	1772.5	1661.9	1553.7
70°	1344.3	1088.1	1028.8	1025.5	951.5	1082.8	1537.1	1515.5	1379.3	1280.1
72.5°	1053.6	742.5	661.6	680.3	665.6	807.2	1257.3	1017.0	884.4	818.1
75°	825.9	527.8	455.4	452.2	436.3	549.8	920.6	535.9	442.4	395.2
77.5°	544.9	380.2	379.0	350.1	337.9	298.1	413.1	214.7	175.3	176.9
80°	313.9	233.0	273.3	216.7	217.1	174.8	167.1	31.3	25.2	18.3
82.5°	180.1	111.8	84.6	33.3	69.9	69.9	13.4	0.4	0.4	0.8
85°	17.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
87.5°	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
92.5°	6.1	7.2	7.2	6.1	6.1	6.1	5.1	4.1	4.1	4.1
95°	7.2	8.2	7.2	7.2	7.2	7.2	6.1	5.1	5.1	5.1
97.5°	9.2	10.2	12.3	9.2	9.2	8.2	8.2	7.2	7.2	7.2
100°	23.5	26.6	29.7	21.5	12.3	10.2	9.2	8.2	8.2	8.2
102.5°	43.0	48.1	51.1	40.9	27.6	18.4	13.3	11.3	11.3	11.3
105°	66.5	71.6	73.7	64.4	49.1	36.8	27.6	22.5	21.7	21.5
107.5°	92.1	96.2	97.2	90.0	74.7	59.3	50.1	43.0	42.1	41.9



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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
110°	121.7	123.8	122.8	116.6	104.3	89.0	75.7	69.6	67.9	67.5
112.5°	152.4	153.4	151.4	146.3	137.1	123.8	108.4	101.3	101.3	101.3
115°	183.1	186.2	183.1	178.0	171.9	162.6	150.4	142.2	143.0	143.2
117.5°	214.8	219.9	215.8	209.7	206.6	201.5	193.3	188.2	188.2	188.2
120°	250.6	255.7	251.6	248.6	242.4	238.3	231.2	228.1	229.8	230.2
122.5°	284.4	289.5	285.4	283.4	277.2	273.1	267.0	266.0	268.4	269.0
125°	317.1	322.2	320.2	317.1	312.0	305.9	302.8	300.7	304.0	304.8
127.5°	353.9	353.9	352.9	347.8	346.8	340.6	336.6	336.6	337.4	337.6
130°	389.7	389.7	385.7	380.5	378.5	374.4	370.3	369.3	370.9	371.3
132.5°	423.5	425.5	420.4	414.3	413.3	410.2	402.0	403.0	404.7	405.1
135°	457.3	458.3	453.2	447.0	445.0	441.9	435.8	435.8	438.2	438.8
137.5°	486.9	485.9	483.9	478.7	474.6	470.6	469.5	467.5	470.0	470.6
140°	515.6	513.5	511.5	508.4	502.3	500.2	498.2	496.1	498.6	499.2
142.5°	545.2	545.2	539.1	537.0	533.0	529.9	528.9	526.8	529.3	529.9
145°	573.9	574.9	568.8	563.6	562.6	559.6	556.5	558.5	561.8	562.6
147.5°	599.4	598.4	593.3	588.2	587.2	587.2	584.1	585.1	587.6	588.2
150°	616.8	613.8	610.7	606.6	606.6	606.6	606.6	605.6	608.1	608.7
152.5°	632.2	628.1	625.0	624.0	624.0	623.0	622.0	622.0	624.4	625.0
155°	650.6	645.5	640.4	642.4	644.5	641.4	639.3	639.3	642.6	643.4
157.5°	664.9	662.9	658.8	659.8	660.8	658.8	657.8	657.8	660.2	660.8
160°	676.2	679.2	673.1	670.0	670.0	671.1	674.1	675.1	677.6	678.2
162.5°	685.4	686.4	682.3	678.2	676.2	680.3	684.4	684.4	687.6	688.4
165°	695.6	692.5	687.4	688.4	688.4	691.5	691.5	693.6	696.0	696.6
167.5°	703.8	699.7	693.6	700.7	703.8	701.7	699.7	702.8	705.2	705.8
170°	709.9	704.8	701.7	706.9	708.9	707.9	707.9	711.0	713.4	714.0
172.5°	709.9	707.9	704.8	705.8	705.8	708.9	711.0	713.0	714.6	715.0
175°	712.0	711.0	705.8	705.8	706.9	711.0	713.0	714.0	715.7	716.1
177.5°	717.1	715.0	709.9	711.0	713.0	715.0	716.1	721.2	722.8	723.2
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1

(END OF REPORT)