

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-SA1B-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 P401142 AND P226775
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2022
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: 4350.9 lumens
Efficiency: N/A
Efficacy: 103.3 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: 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: 24 FT

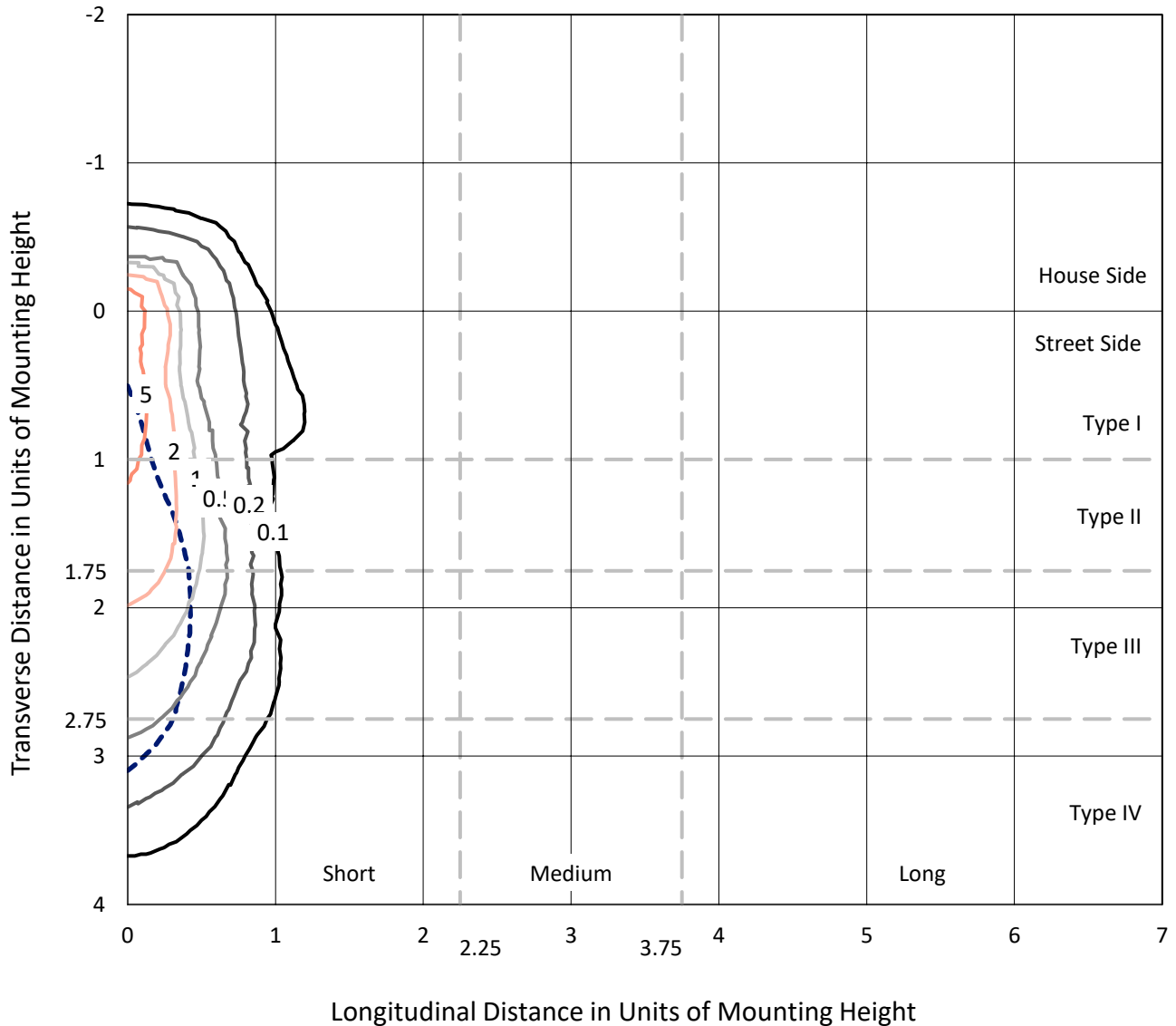




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Iso-Footcandle Lines of Horizontal Illumination

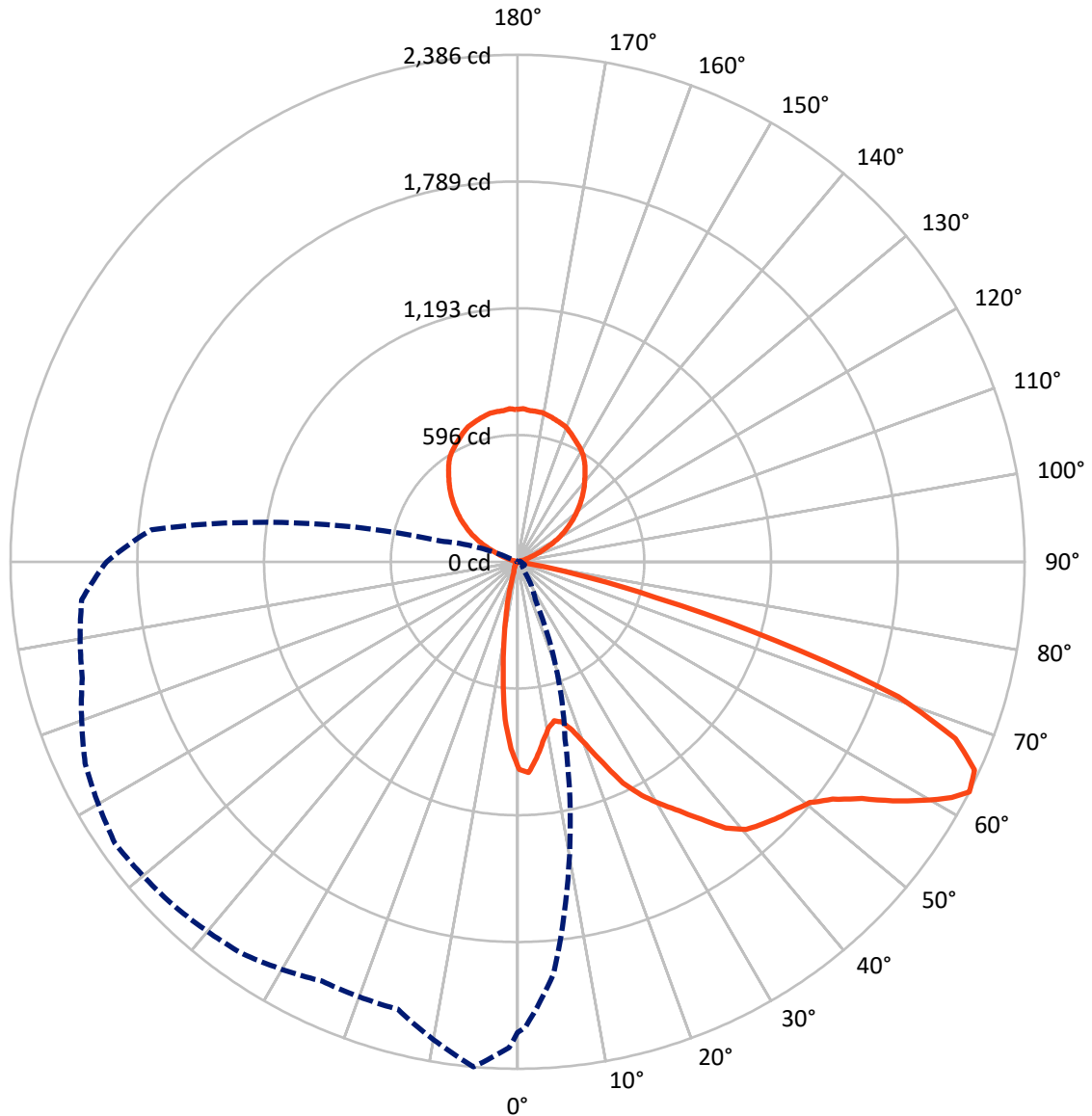
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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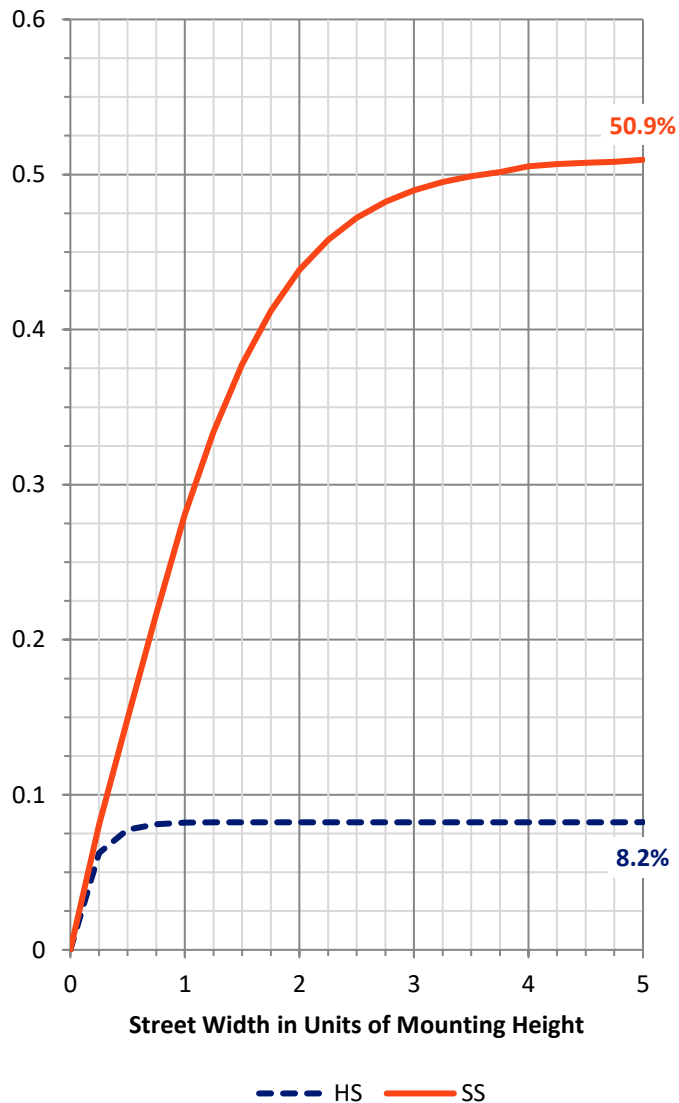
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	362.5	887.0	1249.4
	% Fixture	8.3	20.4	28.7
Street Side	Lumens	2214.5	887.0	3101.5
	% Fixture	50.9	20.4	71.3
Total	Lumens	2577.0	1773.9	4350.9
	% Fixture	59.2	40.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.7
10°-20°	139.3	3.2
20°-30°	193.9	4.5
30°-40°	280.4	6.4
40°-50°	402.0	9.2
50°-60°	583.3	13.4
60°-70°	631.0	14.5
70°-80°	254.9	5.9
80°-90°	18.9	0.4
90°-100°	8.4	0.2
100°-110°	58.7	1.3
110°-120°	169.9	3.9
120°-130°	279.4	6.4
130°-140°	344.6	7.9
140°-150°	352.5	8.1
150°-160°	297.0	6.8
160°-170°	195.5	4.5
170°-180°	67.8	1.6
0°-90°	2577.0	59.2
0°-180°	4350.9	100.0

Coefficient of Utilization

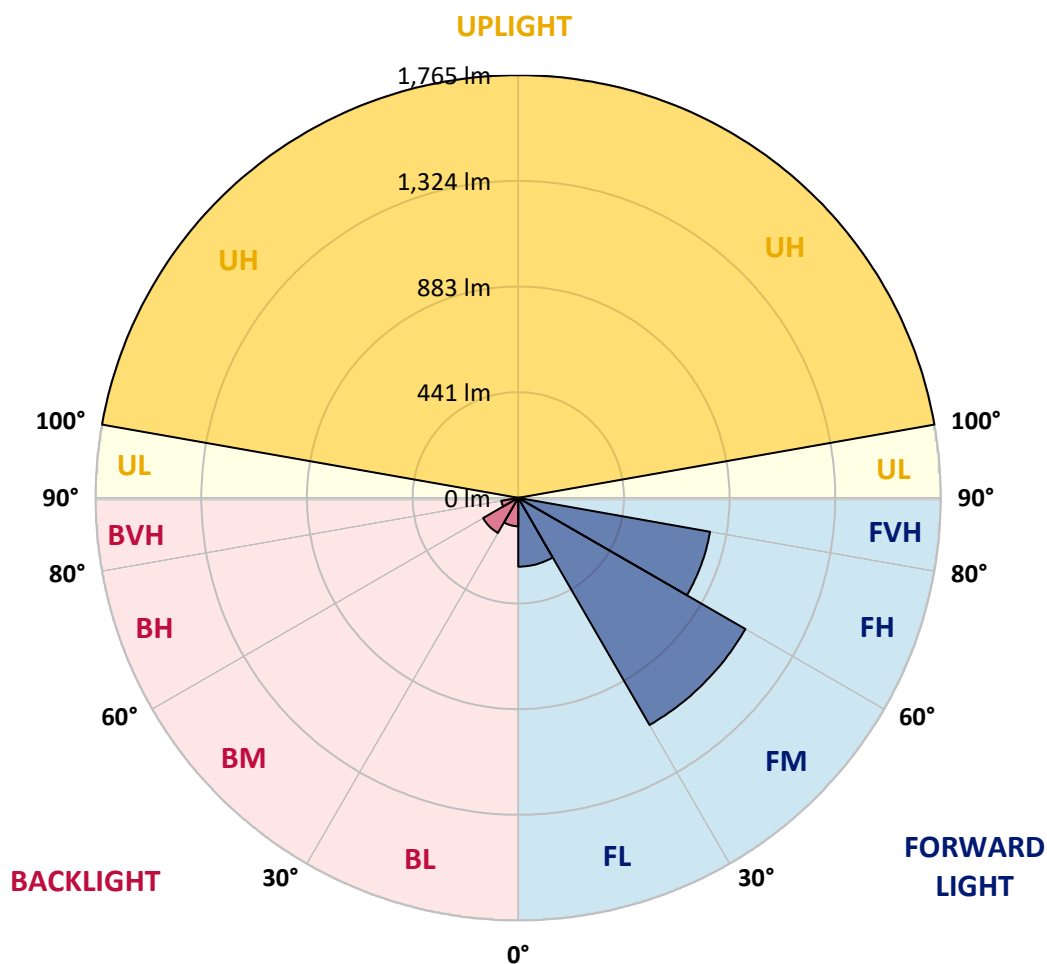


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.7	6.6			
FM (30°-60°)	1096.1	25.2			
FH (60°-80°)	813.8	18.7			G1/1800
FVH (80°-90°)	17.0	0.4			G1/100
BL (0°-30°)	118.9	2.7	B1/500		
BM (30°-60°)	169.6	3.9	B0/220		
BH (60°-80°)	72.1	1.7	B0/110		G0/110
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	8.4	0.2		U1/10	
UH (100°-180°)	1765.5	40.6		U5	

BUG Rating: B1-U5-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5
2.5°	981.6	977.5	968.3	948.4	919.9	901.5	889.8	874.5	858.7	853.6	843.4
5°	895.9	889.3	876.5	826.6	781.7	736.8	704.7	674.1	663.9	643.5	655.8
7.5°	813.3	810.3	780.7	715.9	644.5	586.9	550.2	505.3	492.1	471.2	454.3
10°	748.6	746.0	710.3	625.7	548.7	500.7	471.7	442.6	413.5	384.0	360.5
12.5°	715.9	710.3	669.0	577.7	506.3	466.6	436.0	397.2	366.1	326.3	297.8
15°	721.0	715.9	668.5	570.1	486.0	430.9	385.5	339.6	295.8	256.5	228.4
17.5°	761.8	759.8	702.2	576.7	461.5	388.6	327.9	266.2	214.2	171.8	147.9
20°	841.4	835.2	751.6	591.0	436.0	339.6	256.5	180.5	137.2	108.1	97.9
22.5°	939.8	926.0	829.6	611.9	411.5	287.1	185.6	121.4	97.9	86.7	79.5
25°	1055.5	1056.0	926.5	639.9	387.0	238.1	130.0	96.4	82.6	74.4	68.3
27.5°	1149.4	1142.2	1013.7	668.0	360.5	195.3	109.1	84.1	72.4	63.7	60.2
30°	1218.7	1208.0	1071.3	687.4	326.3	165.2	97.9	80.1	68.3	58.6	54.1
32.5°	1290.1	1276.8	1123.3	698.1	305.9	150.9	86.7	69.9	61.2	57.1	51.0
35°	1373.7	1362.0	1181.0	697.1	295.2	142.8	78.5	63.2	52.0	45.4	41.3
37.5°	1467.0	1443.1	1240.6	692.5	287.6	138.7	71.4	58.6	48.4	41.3	36.2
40°	1547.1	1523.1	1295.7	686.3	282.5	134.6	67.3	55.6	45.9	38.2	33.1
42.5°	1609.8	1586.9	1347.2	678.7	279.9	125.9	69.3	53.5	43.9	36.2	30.6
45°	1663.9	1640.4	1408.4	677.7	278.9	119.8	68.3	53.0	42.8	33.7	28.6
47.5°	1726.6	1714.3	1489.0	694.5	274.8	115.2	62.7	57.1	42.3	32.6	27.0
50°	1819.4	1808.7	1594.5	744.5	268.7	110.7	57.1	62.7	42.3	31.6	25.5
52.5°	1949.4	1937.2	1760.7	809.7	263.1	105.6	51.5	60.7	42.8	30.1	24.5
55°	2084.0	2082.0	1917.8	879.1	258.0	94.3	45.4	54.6	41.8	28.0	22.9
57.5°	2189.6	2188.1	2035.6	926.0	248.3	76.0	41.3	45.4	38.8	25.5	20.9
60°	2232.9	2220.2	2048.3	926.0	225.9	62.7	37.7	35.7	39.3	22.9	18.4
61°	2232.9	2216.6	2025.4	912.2	214.7	59.7	35.7	33.1	40.3	21.9	17.3
62.5°	2215.6	2188.6	1946.9	862.8	196.8	59.7	32.6	29.6	36.7	20.9	15.8
65°	2138.6	2094.2	1762.8	750.1	178.5	61.2	28.0	25.0	26.5	17.8	13.8
67.5°	1948.4	1898.4	1524.1	593.5	163.7	64.8	23.5	21.9	20.4	15.8	12.2
70°	1605.2	1562.9	1243.7	444.6	152.0	65.8	20.4	18.4	17.3	13.8	10.7
72.5°	1026.0	956.1	776.6	301.4	121.9	57.1	16.8	17.3	15.8	11.2	8.7
75°	495.6	515.0	451.8	152.0	82.1	37.2	13.3	14.3	12.7	10.2	7.6
77.5°	221.8	217.7	215.7	38.8	20.9	12.7	8.2	9.7	10.2	9.2	6.6
80°	22.9	31.1	18.4	11.7	7.6	5.6	4.6	5.1	6.1	6.6	3.6
82.5°	1.0	0.5	0.5	1.5	1.5	1.0	0.0	0.0	1.0	1.0	0.5
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



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CATALOG NUMBER: ENV-SA1B-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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5
2.5°	834.2	848.0	841.9	840.3	848.5	844.4	856.7	857.2	866.3	878.6	886.2
5°	655.8	645.0	666.5	680.7	698.6	693.0	714.4	711.8	723.6	742.9	735.3
7.5°	455.4	456.9	468.1	480.9	528.8	538.5	545.6	551.2	550.7	555.3	563.5
10°	348.3	339.6	332.0	349.8	368.7	389.6	392.6	400.3	379.4	388.0	392.1
12.5°	285.0	274.8	258.0	248.8	253.4	265.7	270.8	275.4	263.1	263.6	272.8
15°	216.2	202.4	195.8	183.6	179.0	178.0	180.5	173.9	172.4	166.7	170.3
17.5°	140.7	136.7	133.1	130.5	127.0	125.9	116.8	101.0	91.8	89.7	89.7
20°	93.8	90.8	90.8	95.9	94.3	90.3	78.0	64.8	58.1	56.1	57.1
22.5°	77.0	75.0	71.9	71.9	73.9	70.9	59.7	50.0	45.4	45.4	45.4
25°	66.8	65.8	62.7	59.7	60.7	58.1	48.4	42.3	39.3	38.8	39.3
27.5°	58.6	58.1	54.6	51.5	51.5	49.5	41.8	36.2	34.2	33.1	33.7
30°	53.0	52.0	47.9	45.4	44.9	42.8	35.7	31.6	29.6	29.1	29.1
32.5°	49.0	46.9	43.3	40.8	39.3	36.2	31.1	27.0	25.0	24.5	24.5
35°	39.3	39.3	37.7	36.2	34.2	29.6	26.0	22.4	20.4	19.9	19.9
37.5°	34.2	32.1	29.6	30.1	29.1	25.0	21.4	17.8	16.3	15.8	15.8
40°	31.1	28.6	25.0	23.5	24.0	21.9	17.8	13.8	11.7	12.2	11.7
42.5°	28.0	26.0	21.9	18.4	17.8	18.4	13.8	9.7	8.2	8.2	8.2
45°	26.0	24.0	19.4	15.3	12.7	14.3	10.7	6.6	5.1	5.1	5.1
47.5°	24.5	22.4	17.3	12.7	9.2	9.7	7.6	4.1	3.1	2.0	2.5
50°	23.5	20.9	15.8	10.2	6.6	5.6	5.1	2.0	0.5	0.5	0.0
52.5°	21.9	19.9	14.3	8.7	5.1	3.6	2.5	0.5	0.0	0.0	0.0
55°	20.9	18.4	12.7	7.6	4.1	2.0	0.5	0.0	0.0	0.0	0.0
57.5°	18.9	16.8	11.2	6.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0
60°	16.8	15.3	9.7	4.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	15.8	14.3	9.2	4.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	14.8	13.3	8.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	12.7	11.2	7.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	11.2	10.2	6.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9.7	8.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	8.2	7.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	7.1	6.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.6	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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-SA1B-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-SA1B-740-U-SLR-HSS-ULG

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5
2.5°	893.4	911.2	928.0	949.5	961.2	993.3	1016.3	1035.6	1050.9	1054.0	1066.2
5°	755.7	780.7	797.0	841.9	866.9	920.4	961.7	1010.7	1054.5	1078.5	1100.4
7.5°	569.1	581.3	609.4	654.2	713.4	759.8	829.6	891.3	970.4	1013.7	1054.5
10°	401.8	413.0	454.3	501.2	555.3	633.3	718.0	799.0	879.1	934.7	982.6
12.5°	282.5	319.2	360.0	419.7	472.7	529.8	620.1	714.9	814.8	867.9	919.9
15°	185.6	218.2	274.8	349.8	416.1	471.7	555.8	667.0	793.9	853.1	902.6
17.5°	91.8	115.8	165.7	246.3	334.5	422.2	523.7	658.3	821.0	887.8	934.2
20°	57.6	64.8	83.1	139.2	240.7	370.2	499.7	675.6	894.4	968.3	998.4
22.5°	46.4	48.4	55.6	73.9	146.9	305.9	478.8	699.1	975.0	1065.2	1096.3
25°	39.8	41.3	45.4	54.6	85.2	229.5	453.3	740.4	1068.8	1177.9	1185.6
27.5°	34.2	35.7	39.3	46.4	60.7	154.5	416.6	788.8	1181.0	1276.8	1271.7
30°	29.1	31.1	34.7	39.8	47.9	104.5	348.3	837.8	1263.6	1340.6	1332.4
32.5°	25.0	26.5	29.6	34.2	39.8	71.9	261.6	869.9	1332.4	1400.7	1382.9
35°	20.4	21.9	24.5	28.6	32.1	51.0	197.8	870.9	1403.3	1475.2	1430.3
37.5°	16.3	17.3	19.9	23.5	26.5	39.8	145.3	854.1	1491.0	1572.1	1484.4
40°	12.2	13.8	16.3	19.4	22.4	33.7	108.6	813.3	1576.7	1669.0	1549.6
42.5°	8.2	10.2	12.7	15.8	21.4	27.0	76.5	745.5	1646.0	1755.1	1613.4
45°	5.1	6.6	9.7	13.3	21.9	21.4	51.0	664.4	1695.5	1820.9	1656.7
47.5°	2.5	4.1	7.1	12.7	19.4	15.8	31.6	586.9	1740.3	1859.2	1676.6
50°	0.5	1.5	5.1	15.8	16.3	11.7	20.9	538.5	1763.8	1849.5	1674.6
52.5°	0.0	0.0	3.6	15.3	11.7	9.2	16.3	531.3	1800.5	1862.2	1709.7
55°	0.0	0.0	1.5	6.6	6.6	7.6	14.3	521.6	1865.8	1938.2	1815.8
57.5°	0.0	0.0	0.0	3.1	4.1	6.1	13.3	496.1	1934.6	2018.8	1944.8
60°	0.0	0.0	0.0	1.5	2.5	5.1	11.7	438.0	1871.4	2019.3	2051.9
61°	0.0	0.0	0.0	1.5	2.0	4.6	10.7	417.6	1814.8	1986.6	2065.2
62.5°	0.0	0.0	0.0	0.5	1.5	3.6	9.2	377.3	1730.1	1934.1	2059.0
65°	0.0	0.0	0.0	0.0	0.5	2.0	7.1	304.9	1588.9	1802.0	1988.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.5	4.6	214.7	1386.0	1652.6	1838.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	124.4	1116.7	1399.2	1574.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	56.6	724.6	1080.5	1242.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	446.2	780.7	928.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	302.4	519.6	624.6
80°	0.0	1.0	0.5	0.0	0.0	0.0	0.0	4.1	186.1	324.3	352.4
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	96.4	229.0	233.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.3	48.4
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-SA1B-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-SA1B-740-U-SLR-HSS-ULG

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5	977.5
2.5°	1077.5	1080.5	1082.6	1079.0	1057.1	1044.8	1020.3	993.3	984.1	981.6
5°	1140.2	1157.5	1154.5	1131.0	1092.8	1045.8	987.7	927.5	904.6	895.9
7.5°	1127.9	1173.3	1182.0	1157.5	1092.8	1010.7	926.5	855.1	822.0	813.3
10°	1065.7	1122.8	1150.4	1142.7	1082.0	987.2	883.7	796.0	759.8	748.6
12.5°	1005.6	1060.6	1078.0	1084.1	1050.9	968.8	862.3	767.9	730.2	715.9
15°	965.3	999.4	998.4	1009.6	1007.1	961.7	876.0	782.2	739.9	721.0
17.5°	952.0	941.8	928.6	937.7	955.6	963.7	920.9	833.2	783.7	761.8
20°	960.2	910.2	881.1	880.6	918.4	980.6	986.7	917.3	870.9	841.4
22.5°	1002.0	894.4	849.5	850.5	896.9	1005.6	1062.7	1027.5	976.5	939.8
25°	1063.7	897.5	837.3	843.4	894.9	1027.5	1144.8	1152.9	1087.7	1055.5
27.5°	1126.4	924.0	837.8	844.4	903.6	1039.2	1191.7	1245.2	1189.1	1149.4
30°	1170.3	956.6	847.0	854.1	917.3	1048.4	1209.5	1321.2	1263.1	1218.7
32.5°	1211.6	990.3	861.8	868.9	944.9	1067.3	1243.2	1397.7	1333.9	1290.1
35°	1251.8	1023.4	889.3	902.0	989.2	1101.4	1277.3	1487.4	1434.4	1373.7
37.5°	1286.5	1060.1	936.7	963.7	1049.4	1153.9	1323.7	1589.4	1534.8	1467.0
40°	1315.6	1103.5	1034.6	1064.7	1141.2	1209.5	1375.2	1656.2	1620.0	1547.1
42.5°	1339.0	1179.9	1174.8	1217.2	1270.7	1273.3	1390.0	1688.3	1674.6	1609.8
45°	1378.3	1317.1	1358.9	1428.3	1424.7	1349.7	1386.0	1717.9	1718.9	1663.9
47.5°	1442.6	1489.0	1609.8	1656.7	1632.8	1454.3	1390.0	1747.0	1769.9	1726.6
50°	1534.3	1683.7	1841.8	1904.0	1834.2	1559.3	1426.2	1781.6	1851.0	1819.4
52.5°	1612.9	1831.1	2056.0	2111.6	2016.2	1671.5	1510.9	1856.6	1959.6	1949.4
55°	1725.0	1958.1	2208.4	2251.3	2174.8	1798.5	1624.6	1966.7	2078.9	2084.0
57.5°	1839.8	2072.8	2307.9	2351.2	2293.1	1956.5	1786.2	2124.8	2191.1	2189.6
60°	1967.3	2179.9	2352.8	2376.7	2343.6	2114.6	1960.1	2269.6	2268.1	2232.9
61°	2040.2	2214.1	2349.7	2356.8	2324.7	2161.0	2049.9	2325.2	2279.3	2232.9
62.5°	2120.7	2245.2	2312.0	2288.0	2253.3	2177.3	2179.9	2385.9	2287.0	2215.6
65°	2202.3	2167.1	2138.1	2023.3	1990.7	2027.4	2289.5	2363.0	2240.6	2138.6
67.5°	2062.6	1857.1	1794.4	1679.2	1550.1	1700.1	2185.5	2222.7	2084.0	1948.4
70°	1685.8	1364.5	1290.1	1286.0	1193.2	1357.9	1927.5	1900.5	1729.6	1605.2
72.5°	1321.2	931.1	829.6	853.1	834.7	1012.2	1576.7	1275.3	1109.1	1026.0
75°	1035.6	661.9	571.1	567.0	547.1	689.4	1154.5	672.1	554.8	495.6
77.5°	683.3	476.8	475.2	439.0	423.7	373.8	518.1	269.2	219.8	221.8
80°	393.7	292.2	342.7	271.8	272.3	219.3	209.6	39.3	31.6	22.9
82.5°	225.9	140.2	106.1	41.8	87.7	87.7	16.8	0.5	0.5	1.0
85°	21.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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-SA1B-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)