

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-SA1C-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 P401322 AND P226775
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENV-SA1C-740-U-SLR-HSS-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) 70 CRI, 4000K, 615mA 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: 5165.9 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

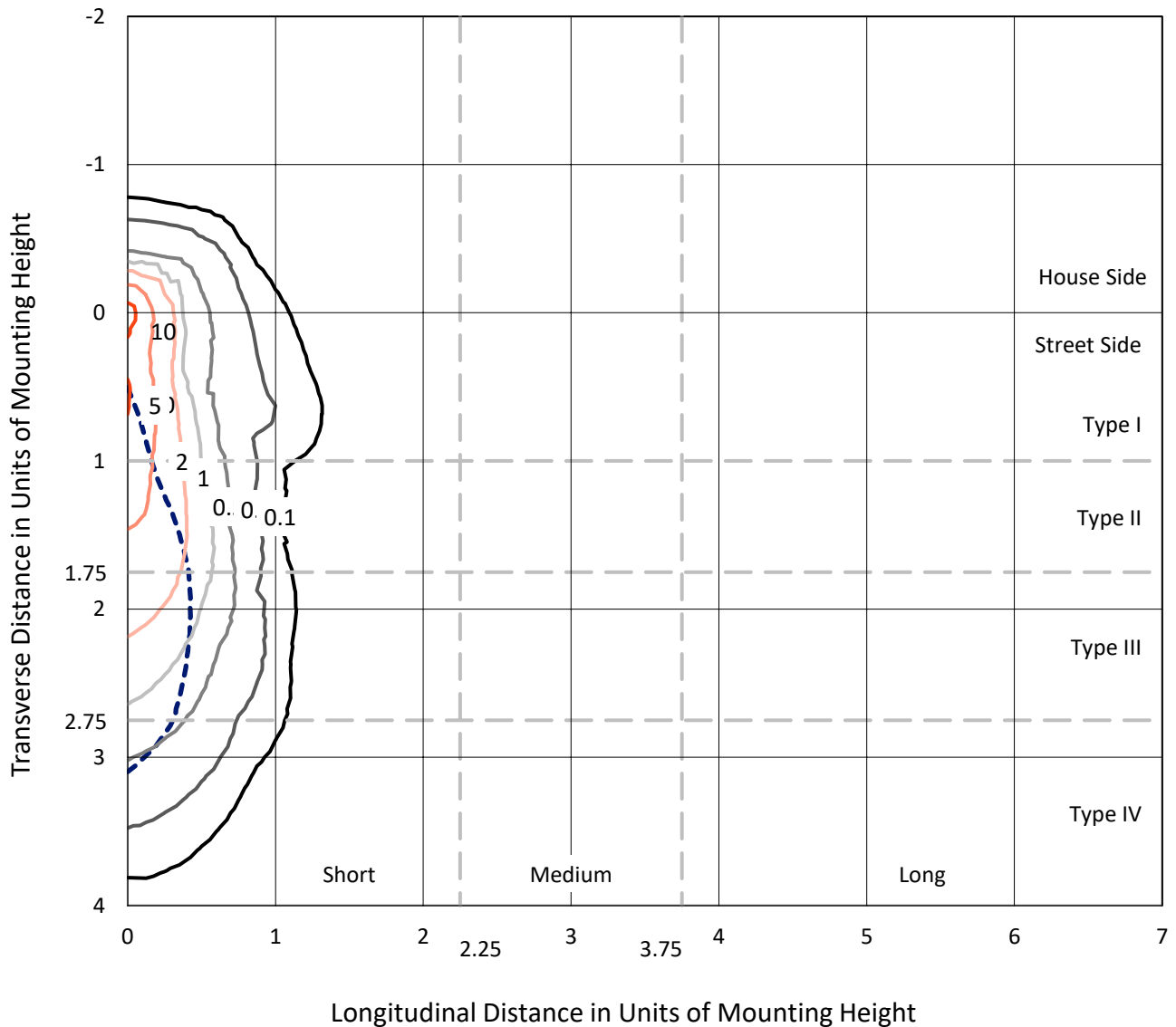
Input Watts (W): 50
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

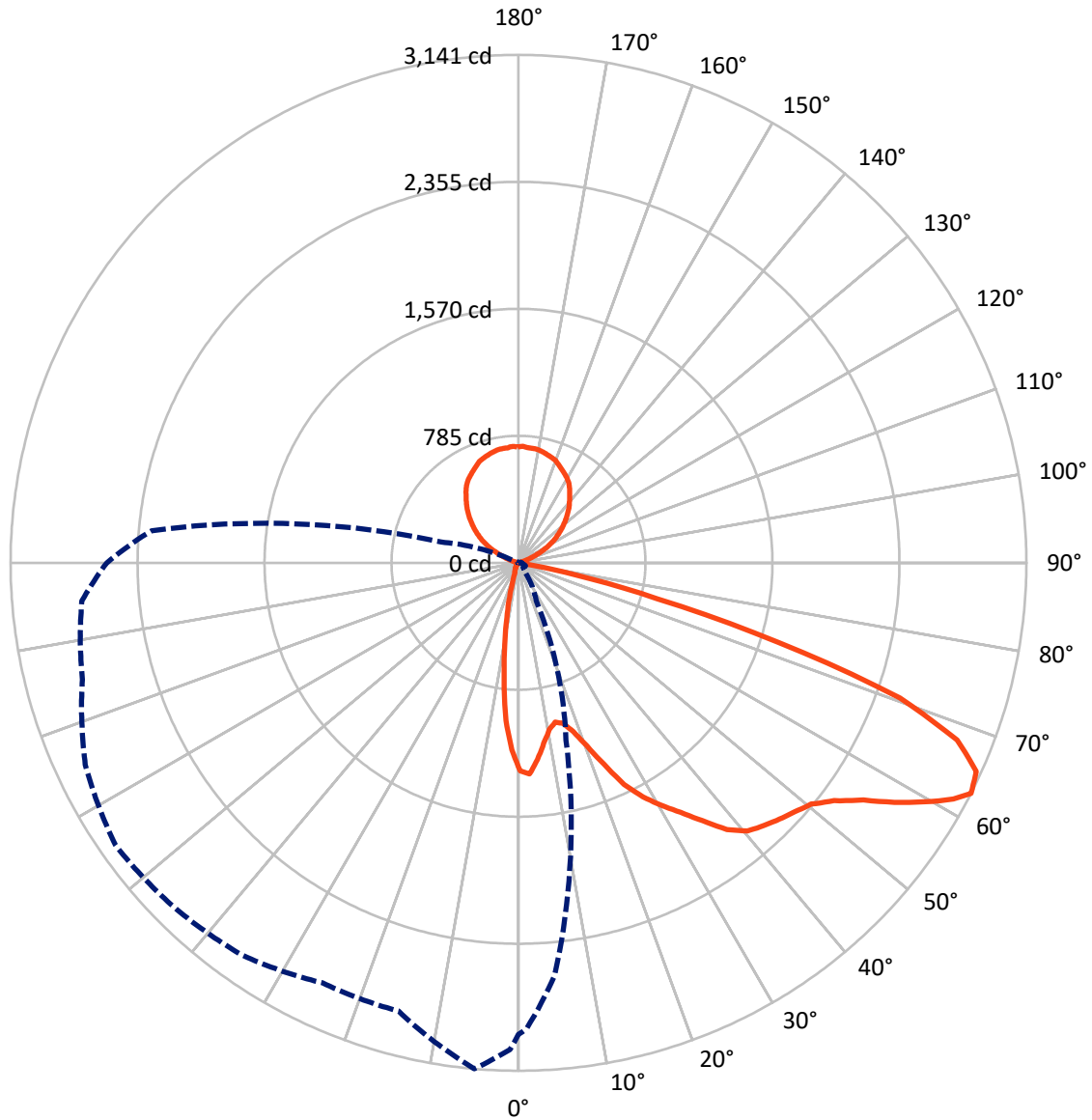
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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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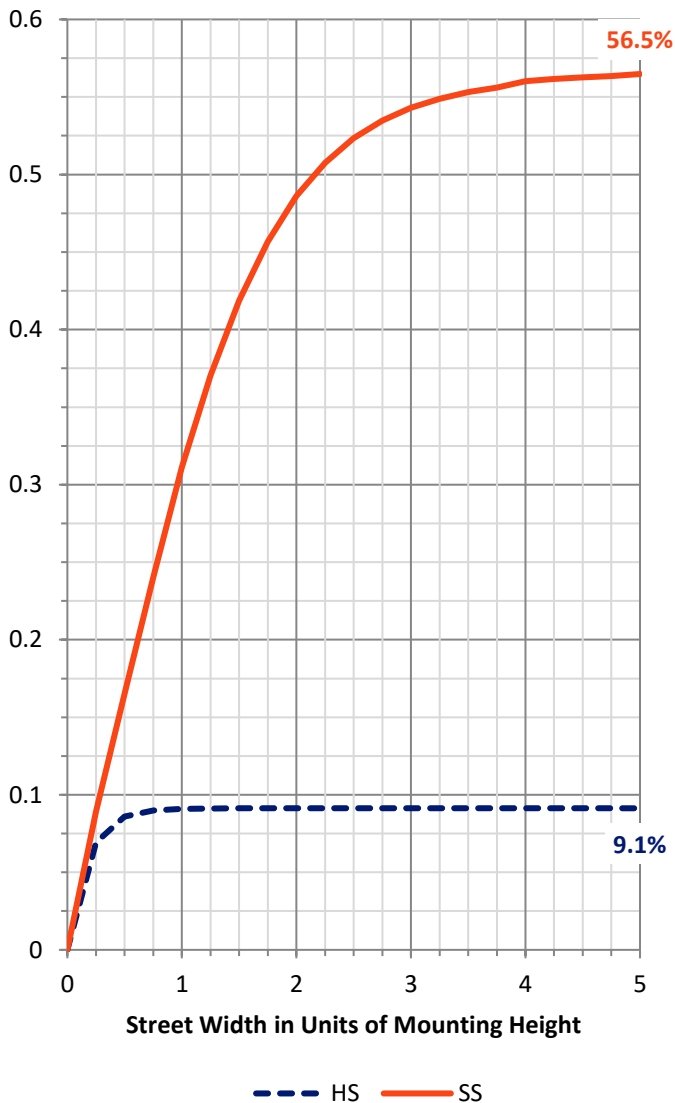
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.1	887.0	1364.1
	% Fixture	9.2	17.2	26.4
Street Side	Lumens	2914.9	887.0	3801.8
	% Fixture	56.4	17.2	73.6
Total	Lumens	3392.0	1773.9	5165.9
	% Fixture	65.7	34.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.9
10°-20°	183.4	3.6
20°-30°	255.2	4.9
30°-40°	369.1	7.1
40°-50°	529.2	10.2
50°-60°	767.7	14.9
60°-70°	830.6	16.1
70°-80°	335.5	6.5
80°-90°	24.8	0.5
90°-100°	8.4	0.2
100°-110°	58.7	1.1
110°-120°	169.9	3.3
120°-130°	279.4	5.4
130°-140°	344.6	6.7
140°-150°	352.5	6.8
150°-160°	297.0	5.7
160°-170°	195.5	3.8
170°-180°	67.8	1.3
0°-90°	3392.0	65.7
0°-180°	5165.9	100.0

Coefficient of Utilization

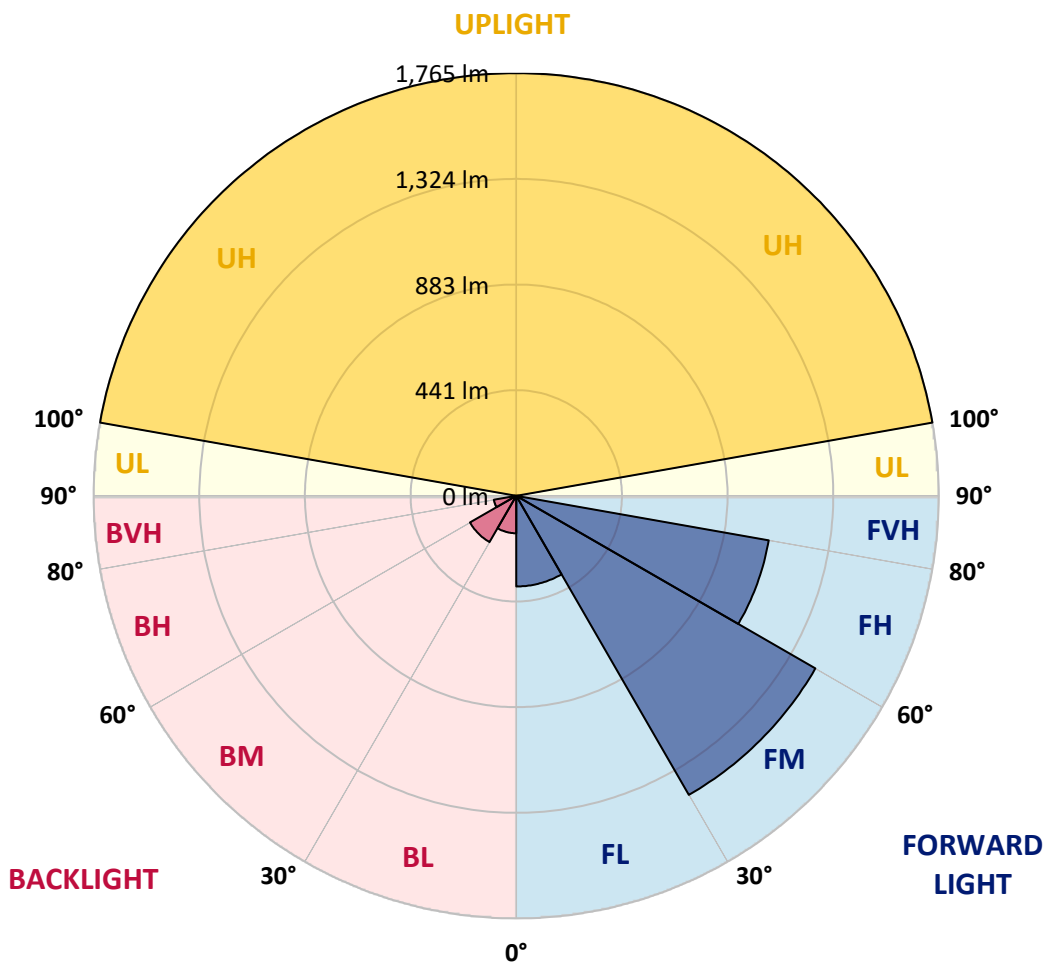


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.7	7.3			
FM (30°-60°)	1442.7	27.9			
FH (60°-80°)	1071.2	20.7			G1/1800
FVH (80°-90°)	22.3	0.4			G1/100
BL (0°-30°)	156.4	3.0	B1/500		
BM (30°-60°)	223.3	4.3	B1/1000		
BH (60°-80°)	94.9	1.8	B0/110		G0/110
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	8.4	0.2		U1/10	
UH (100°-180°)	1765.5	34.2		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°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1292.0	1286.7	1274.6	1248.4	1210.8	1186.7	1171.2	1151.1	1130.3	1123.6	1110.1
5°	1179.3	1170.5	1153.8	1088.0	1028.9	969.9	927.6	887.3	873.9	847.0	863.1
7.5°	1070.5	1066.5	1027.6	942.3	848.4	772.5	724.2	665.1	647.7	620.2	598.0
10°	985.3	981.9	935.0	823.5	722.2	659.1	620.8	582.6	544.3	505.4	474.5
12.5°	942.3	935.0	880.6	760.4	666.5	614.1	573.9	522.9	481.9	429.6	392.0
15°	949.1	942.3	879.9	750.4	639.6	567.1	507.4	447.0	389.3	337.6	300.7
17.5°	1002.7	1000.1	924.2	759.1	607.4	511.4	431.6	350.4	281.9	226.2	194.6
20°	1107.5	1099.4	989.3	777.9	573.9	447.0	337.6	237.6	180.5	142.3	128.9
22.5°	1237.0	1218.9	1092.0	805.4	541.6	377.9	244.3	159.7	128.9	114.1	104.7
25°	1389.3	1390.0	1219.5	842.3	509.4	313.4	171.2	126.9	108.7	98.0	89.9
27.5°	1512.8	1503.4	1334.3	879.2	474.5	257.1	143.6	110.7	95.3	83.9	79.2
30°	1604.1	1590.0	1410.2	904.8	429.6	217.5	128.9	105.4	89.9	77.2	71.1
32.5°	1698.1	1680.6	1478.6	918.8	402.7	198.7	114.1	92.0	80.5	75.2	67.1
35°	1808.2	1792.7	1554.5	917.5	388.6	187.9	103.4	83.2	68.5	59.7	54.4
37.5°	1931.0	1899.4	1633.0	911.5	378.5	182.6	94.0	77.2	63.8	54.4	47.7
40°	2036.4	2004.8	1705.5	903.4	371.8	177.2	88.6	73.2	60.4	50.3	43.6
42.5°	2118.9	2088.7	1773.3	893.3	368.5	165.8	91.3	70.5	57.7	47.7	40.3
45°	2190.1	2159.2	1853.8	892.0	367.1	157.7	89.9	69.8	56.4	44.3	37.6
47.5°	2272.6	2256.5	1959.9	914.2	361.8	151.7	82.6	75.2	55.7	43.0	35.6
50°	2394.8	2380.7	2098.8	979.9	353.7	145.6	75.2	82.6	55.7	41.6	33.6
52.5°	2565.9	2549.8	2317.6	1065.8	346.3	138.9	67.8	79.9	56.4	39.6	32.2
55°	2743.1	2740.4	2524.3	1157.1	339.6	124.2	59.7	71.8	55.0	36.9	30.2
57.5°	2882.1	2880.0	2679.4	1218.9	326.9	100.0	54.4	59.7	51.0	33.6	27.5
60°	2939.1	2922.3	2696.1	1218.9	297.3	82.6	49.7	47.0	51.7	30.2	24.2
61°	2939.1	2917.6	2665.9	1200.7	282.6	78.5	47.0	43.6	53.0	28.9	22.8
62.5°	2916.3	2880.7	2562.6	1135.6	259.1	78.5	43.0	38.9	48.3	27.5	20.8
65°	2814.9	2756.5	2320.3	987.3	234.9	80.5	36.9	32.9	34.9	23.5	18.1
67.5°	2564.6	2498.8	2006.2	781.3	215.4	85.2	30.9	28.9	26.8	20.8	16.1
70°	2112.9	2057.2	1637.0	585.3	200.0	86.6	26.8	24.2	22.8	18.1	14.1
72.5°	1350.4	1258.5	1022.2	396.7	160.4	75.2	22.1	22.8	20.8	14.8	11.4
75°	652.4	677.9	594.7	200.0	108.1	49.0	17.5	18.8	16.8	13.4	10.1
77.5°	292.0	286.6	283.9	51.0	27.5	16.8	10.7	12.8	13.4	12.1	8.7
80°	30.2	40.9	24.2	15.4	10.1	7.4	6.0	6.7	8.1	8.7	4.7
82.5°	1.3	0.7	0.7	2.0	2.0	1.3	0.0	0.0	1.3	1.3	0.7
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-SA1C-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°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1098.1	1116.2	1108.1	1106.1	1116.8	1111.5	1127.6	1128.3	1140.3	1156.4	1166.5
5°	863.1	849.0	877.2	896.0	919.5	912.1	940.3	937.0	952.4	977.9	967.8
7.5°	599.4	601.4	616.1	632.9	696.0	708.8	718.2	725.5	724.9	730.9	741.7
10°	458.4	447.0	436.9	460.4	485.3	512.8	516.8	526.9	499.4	510.8	516.1
12.5°	375.2	361.8	339.6	327.5	333.6	349.7	356.4	362.4	346.3	347.0	359.1
15°	284.6	266.5	257.7	241.6	235.6	234.2	237.6	228.9	226.9	219.5	224.2
17.5°	185.2	179.9	175.2	171.8	167.1	165.8	153.7	132.9	120.8	118.1	118.1
20°	123.5	119.5	119.5	126.2	124.2	118.8	102.7	85.2	76.5	73.8	75.2
22.5°	101.3	98.7	94.6	94.6	97.3	93.3	78.5	65.8	59.7	59.7	59.7
25°	87.9	86.6	82.6	78.5	79.9	76.5	63.8	55.7	51.7	51.0	51.7
27.5°	77.2	76.5	71.8	67.8	67.8	65.1	55.0	47.7	45.0	43.6	44.3
30°	69.8	68.5	63.1	59.7	59.1	56.4	47.0	41.6	38.9	38.3	38.3
32.5°	64.4	61.7	57.1	53.7	51.7	47.7	40.9	35.6	32.9	32.2	32.2
35°	51.7	51.7	49.7	47.7	45.0	38.9	34.2	29.5	26.8	26.2	26.2
37.5°	45.0	42.3	38.9	39.6	38.3	32.9	28.2	23.5	21.5	20.8	20.8
40°	40.9	37.6	32.9	30.9	31.5	28.9	23.5	18.1	15.4	16.1	15.4
42.5°	36.9	34.2	28.9	24.2	23.5	24.2	18.1	12.8	10.7	10.7	10.7
45°	34.2	31.5	25.5	20.1	16.8	18.8	14.1	8.7	6.7	6.7	6.7
47.5°	32.2	29.5	22.8	16.8	12.1	12.8	10.1	5.4	4.0	2.7	3.4
50°	30.9	27.5	20.8	13.4	8.7	7.4	6.7	2.7	0.7	0.7	0.0
52.5°	28.9	26.2	18.8	11.4	6.7	4.7	3.4	0.7	0.0	0.0	0.0
55°	27.5	24.2	16.8	10.1	5.4	2.7	0.7	0.0	0.0	0.0	0.0
57.5°	24.8	22.1	14.8	8.1	4.0	1.3	0.0	0.0	0.0	0.0	0.0
60°	22.1	20.1	12.8	6.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
61°	20.8	18.8	12.1	5.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	19.5	17.5	10.7	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	16.8	14.8	9.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	14.8	13.4	8.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	12.8	11.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	10.7	10.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	9.4	8.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	7.4	6.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	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-SA1C-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-SA1C-740-U-SLR-HSS-ULG

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1175.9	1199.4	1221.6	1249.7	1265.2	1307.5	1337.7	1363.2	1383.3	1387.3	1403.4
5°	994.7	1027.6	1049.1	1108.1	1141.0	1211.5	1265.8	1330.3	1388.0	1419.6	1448.4
7.5°	749.0	765.1	802.1	861.1	939.0	1000.1	1092.0	1173.2	1277.3	1334.3	1388.0
10°	528.9	543.7	598.0	659.8	730.9	833.6	945.0	1051.7	1157.1	1230.3	1293.4
12.5°	371.8	420.2	473.9	552.4	622.2	697.4	816.2	941.0	1072.5	1142.4	1210.8
15°	244.3	287.3	361.8	460.4	547.7	620.8	731.6	877.9	1045.0	1122.9	1188.0
17.5°	120.8	152.4	218.1	324.2	440.3	555.7	689.3	866.5	1080.6	1168.5	1229.6
20°	75.8	85.2	109.4	183.2	316.8	487.3	657.8	889.3	1177.3	1274.6	1314.2
22.5°	61.1	63.8	73.2	97.3	193.3	402.7	630.2	920.2	1283.3	1402.1	1443.0
25°	52.4	54.4	59.7	71.8	112.1	302.0	596.7	974.6	1406.8	1550.4	1560.5
27.5°	45.0	47.0	51.7	61.1	79.9	203.4	548.4	1038.3	1554.5	1680.6	1673.9
30°	38.3	40.9	45.6	52.4	63.1	137.6	458.4	1102.8	1663.2	1764.5	1753.8
32.5°	32.9	34.9	38.9	45.0	52.4	94.6	344.3	1145.0	1753.8	1843.7	1820.2
35°	26.8	28.9	32.2	37.6	42.3	67.1	260.4	1146.4	1847.1	1941.7	1882.7
37.5°	21.5	22.8	26.2	30.9	34.9	52.4	191.3	1124.2	1962.5	2069.3	1953.8
40°	16.1	18.1	21.5	25.5	29.5	44.3	143.0	1070.5	2075.3	2196.8	2039.7
42.5°	10.7	13.4	16.8	20.8	28.2	35.6	100.7	981.3	2166.6	2310.2	2123.6
45°	6.7	8.7	12.8	17.5	28.9	28.2	67.1	874.6	2231.7	2396.8	2180.7
47.5°	3.4	5.4	9.4	16.8	25.5	20.8	41.6	772.5	2290.7	2447.1	2206.8
50°	0.7	2.0	6.7	20.8	21.5	15.4	27.5	708.8	2321.6	2434.4	2204.2
52.5°	0.0	0.0	4.7	20.1	15.4	12.1	21.5	699.4	2369.9	2451.2	2250.5
55°	0.0	0.0	2.0	8.7	8.7	10.1	18.8	686.6	2455.9	2551.2	2390.1
57.5°	0.0	0.0	0.0	4.0	5.4	8.1	17.5	653.1	2546.5	2657.2	2559.9
60°	0.0	0.0	0.0	2.0	3.4	6.7	15.4	576.5	2463.2	2657.9	2700.8
61°	0.0	0.0	0.0	2.0	2.7	6.0	14.1	549.7	2388.7	2614.9	2718.3
62.5°	0.0	0.0	0.0	0.7	2.0	4.7	12.1	496.7	2277.3	2545.8	2710.2
65°	0.0	0.0	0.0	0.0	0.7	2.7	9.4	401.4	2091.4	2372.0	2617.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.7	6.0	282.6	1824.3	2175.3	2419.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	163.8	1469.9	1841.7	2072.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	74.5	953.7	1422.2	1635.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	587.3	1027.6	1221.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	398.0	683.9	822.2
80°	0.0	1.3	0.7	0.0	0.0	0.0	0.0	5.4	245.0	426.9	463.8
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	126.9	301.4	307.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	63.8
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-SA1C-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-SA1C-740-U-SLR-HSS-ULG

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1418.2	1422.2	1424.9	1420.2	1391.4	1375.3	1343.0	1307.5	1295.4	1292.0
5°	1500.8	1523.6	1519.6	1488.7	1438.3	1376.6	1300.1	1220.9	1190.7	1179.3
7.5°	1484.7	1544.4	1555.8	1523.6	1438.3	1330.3	1219.5	1125.6	1081.9	1070.5
10°	1402.8	1477.9	1514.2	1504.1	1424.2	1299.4	1163.2	1047.7	1000.1	985.3
12.5°	1323.6	1396.1	1418.9	1426.9	1383.3	1275.2	1135.0	1010.8	961.1	942.3
15°	1270.5	1315.5	1314.2	1328.9	1325.6	1265.8	1153.1	1029.6	973.9	949.1
17.5°	1253.1	1239.7	1222.2	1234.3	1257.8	1268.5	1212.2	1096.7	1031.6	1002.7
20°	1263.8	1198.1	1159.8	1159.1	1208.8	1290.7	1298.7	1207.5	1146.4	1107.5
22.5°	1318.9	1177.3	1118.2	1119.5	1180.6	1323.6	1398.7	1352.4	1285.3	1237.0
25°	1400.1	1181.3	1102.1	1110.1	1177.9	1352.4	1506.8	1517.5	1431.6	1389.3
27.5°	1482.6	1216.2	1102.8	1111.5	1189.3	1367.9	1568.6	1639.0	1565.2	1512.8
30°	1540.4	1259.1	1114.8	1124.2	1207.5	1380.0	1592.0	1739.0	1662.5	1604.1
32.5°	1594.7	1303.4	1134.3	1143.7	1243.7	1404.8	1636.3	1839.7	1755.8	1698.1
35°	1647.8	1347.1	1170.5	1187.3	1302.1	1449.8	1681.3	1957.8	1888.0	1808.2
37.5°	1693.4	1395.4	1233.0	1268.5	1381.3	1518.9	1742.4	2092.1	2020.3	1931.0
40°	1731.7	1452.4	1361.8	1401.4	1502.1	1592.0	1810.2	2180.0	2132.3	2036.4
42.5°	1762.5	1553.1	1546.4	1602.1	1672.6	1675.9	1829.6	2222.3	2204.2	2118.9
45°	1814.2	1733.7	1788.7	1880.0	1875.3	1776.6	1824.3	2261.2	2262.6	2190.1
47.5°	1898.8	1959.9	2118.9	2180.7	2149.1	1914.2	1829.6	2299.5	2329.7	2272.6
50°	2019.6	2216.2	2424.3	2506.2	2414.2	2052.5	1877.3	2345.1	2436.4	2394.8
52.5°	2122.9	2410.2	2706.2	2779.4	2653.9	2200.1	1988.7	2443.8	2579.4	2565.9
55°	2270.6	2577.3	2906.9	2963.3	2862.6	2367.3	2138.4	2588.7	2736.4	2743.1
57.5°	2421.6	2728.4	3037.8	3094.8	3018.3	2575.3	2351.2	2796.8	2884.1	2882.1
60°	2589.4	2869.3	3096.8	3128.4	3084.8	2783.4	2580.0	2987.4	2985.4	2939.1
61°	2685.4	2914.3	3092.8	3102.2	3059.9	2844.5	2698.2	3060.6	3000.2	2939.1
62.5°	2791.4	2955.2	3043.1	3011.6	2966.0	2865.9	2869.3	3140.5	3010.3	2916.3
65°	2898.8	2852.5	2814.3	2663.3	2620.3	2668.6	3013.6	3110.3	2949.2	2814.9
67.5°	2714.9	2444.4	2361.9	2210.2	2040.4	2237.7	2876.7	2925.7	2743.1	2564.6
70°	2218.9	1796.1	1698.1	1692.7	1570.6	1787.4	2537.1	2501.5	2276.7	2112.9
72.5°	1739.0	1225.6	1092.0	1122.9	1098.7	1332.3	2075.3	1678.6	1459.8	1350.4
75°	1363.2	871.2	751.7	746.4	720.2	907.4	1519.6	884.6	730.2	652.4
77.5°	899.4	627.6	625.5	577.9	557.8	492.0	681.9	354.4	289.3	292.0
80°	518.2	384.6	451.0	357.7	358.4	288.6	275.9	51.7	41.6	30.2
82.5°	297.3	184.6	139.6	55.0	115.4	115.4	22.1	0.7	0.7	1.3
85°	28.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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-SA1C-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

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