

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: STREETWORKS

Report Number: P256779

Luminaire Tested: **ULA-A6-D-U-ASYM-VMx-7027-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-729-11)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ULA-A6-D-U-ASYM-VMx-7027-BK
Description: UTILITY LIGHT ACORN TYPE IV ASYMMETRIC
Light Source: (60) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5036 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B1 - U5 - G3

Input Watts (W): 45.5
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: 28.75 FT



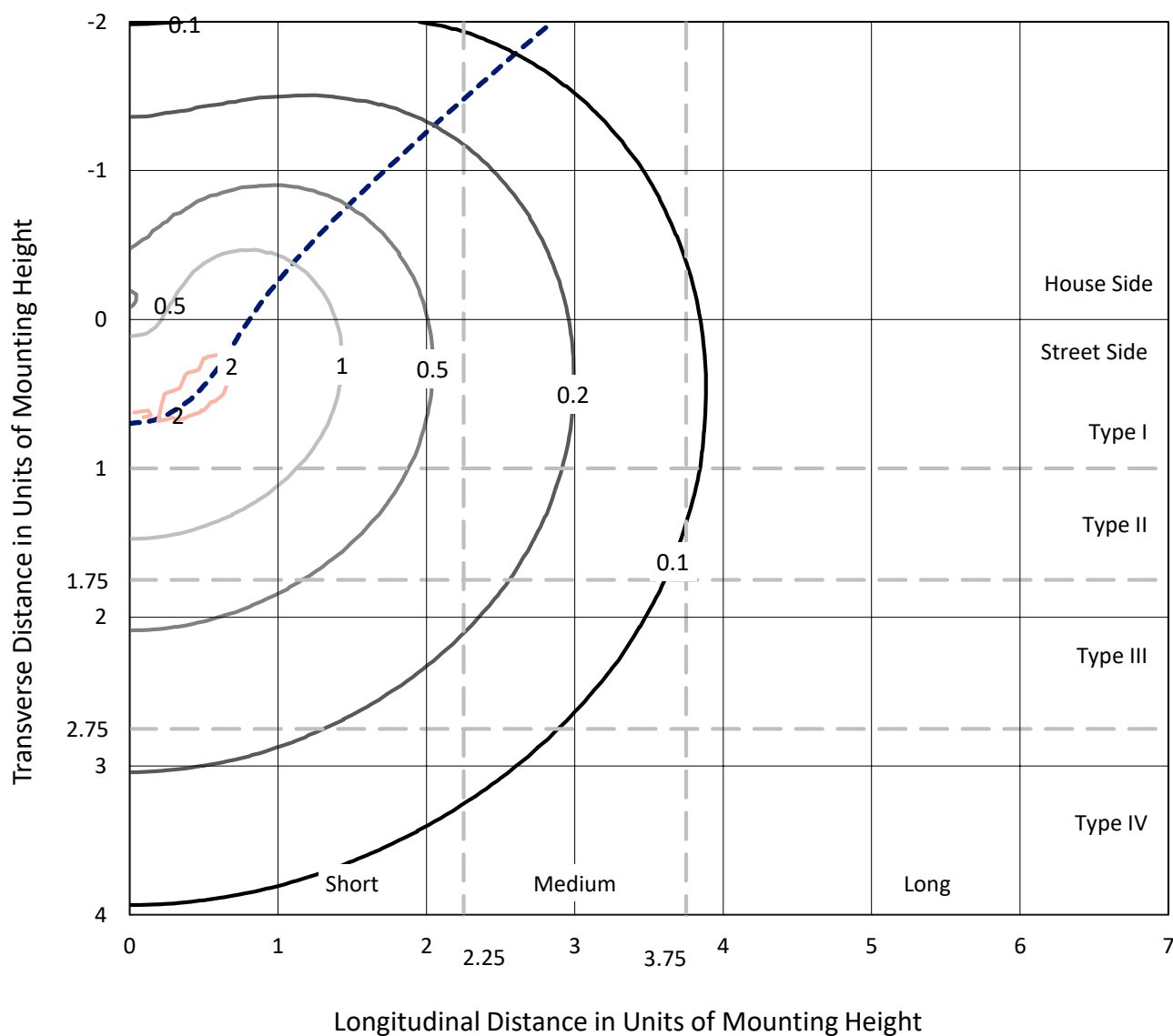
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

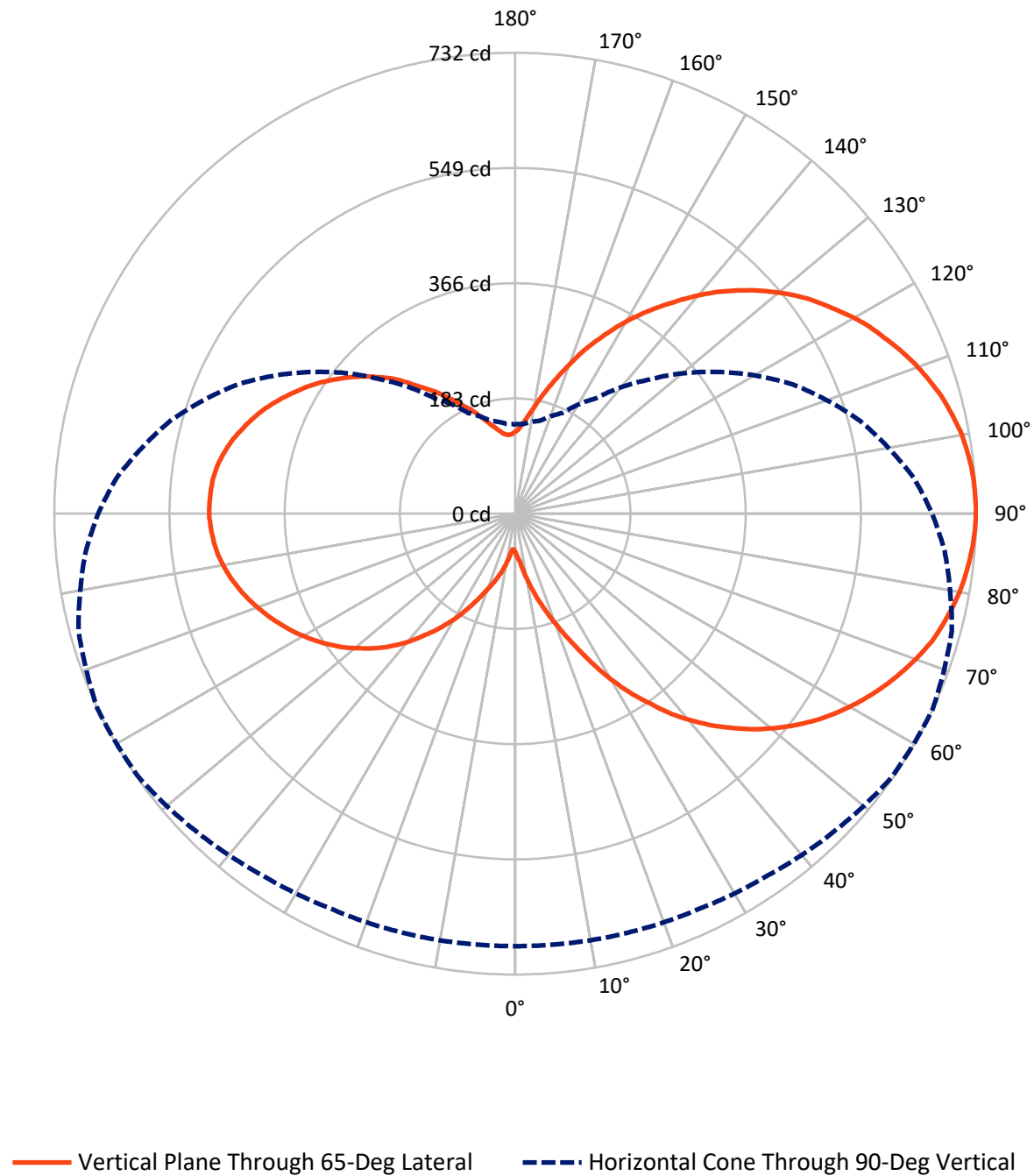


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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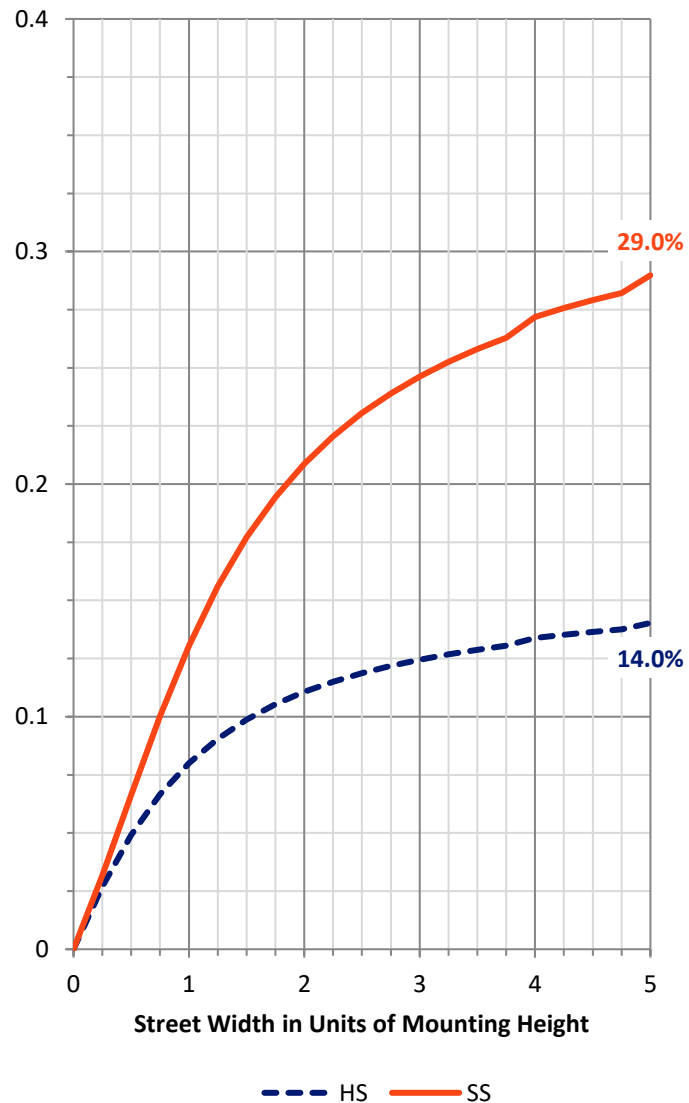
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	790.0	829.7	1619.7
	% Fixture	15.7	16.5	32.2
Street Side	Lumens	1689.0	1727.3	3416.3
	% Fixture	33.5	34.3	67.8
Total	Lumens	2478.9	2557.1	5036.0
	% Fixture	49.2	50.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	34.3	0.7
20°-30°	86.4	1.7
30°-40°	168.5	3.3
40°-50°	267.2	5.3
50°-60°	366.6	7.3
60°-70°	456.0	9.1
70°-80°	526.6	10.5
80°-90°	566.3	11.2
90°-100°	568.4	11.3
100°-110°	530.2	10.5
110°-120°	460.1	9.1
120°-130°	372.1	7.4
130°-140°	275.7	5.5
140°-150°	182.6	3.6
150°-160°	105.7	2.1
160°-170°	49.1	1.0
170°-180°	13.2	0.3
0°-90°	2478.9	49.2
0°-180°	5036.0	100.0

Coefficient of Utilization



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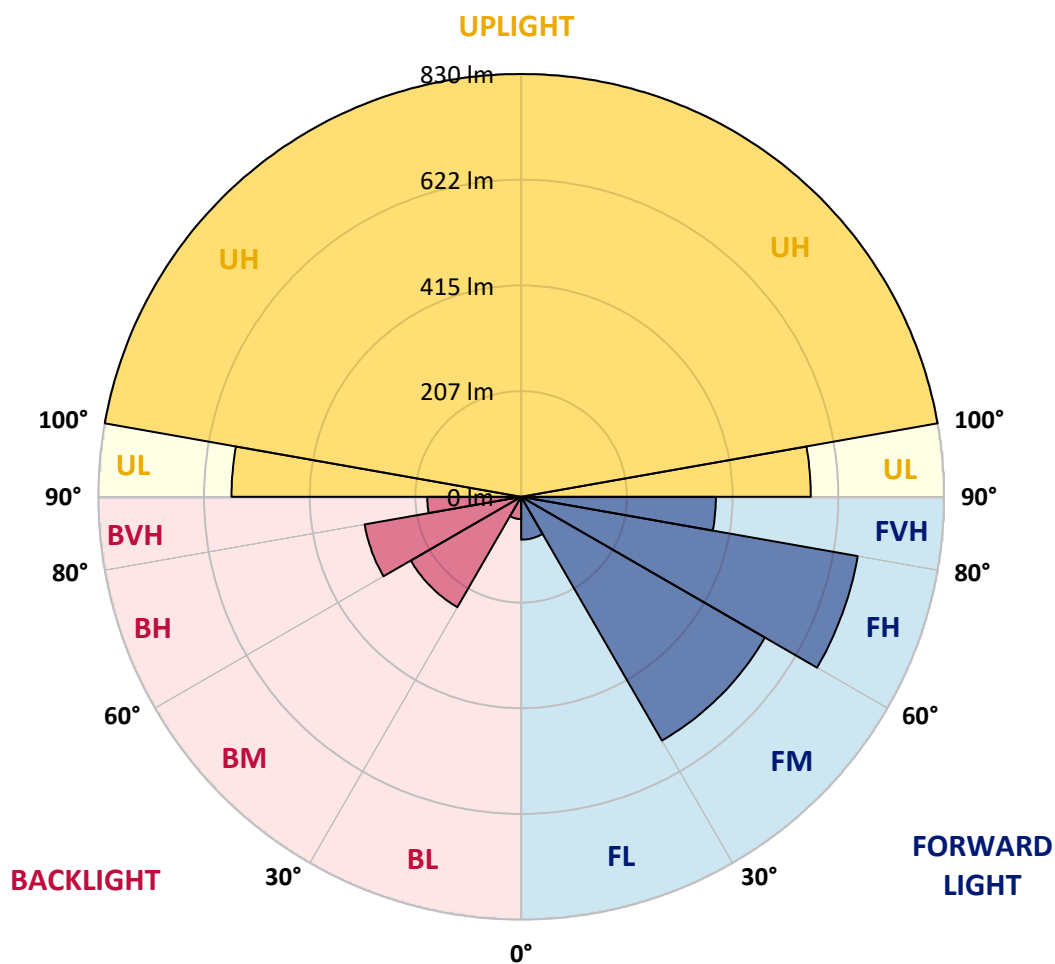
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.1	1.7			
FM	(30°-60°)	552.3	11.0			
FH	(60°-80°)	670.6	13.3			G1/1800
FVH	(80°-90°)	382.0	7.6			G3/500
BL	(0°-30°)	43.7	0.9	B0/110		
BM	(30°-60°)	250.0	5.0	B1/1000		
BH	(60°-80°)	312.0	6.2	B1/500		G1/500
BVH	(80°-90°)	184.3	3.7			G2/225
UL	(90°-100°)	568.4	11.3		U4/1000	
UH	(100°-180°)	829.7	16.5		U4/1000	

BUG Rating: B1-U5-G3

Type Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	75.2	73.1	73.1	72.0	72.0	70.9	69.8	68.8	66.6	64.5	63.4
5°	90.3	89.2	89.2	87.0	84.9	82.7	79.5	76.3	73.1	68.8	67.7
7.5°	107.4	106.4	106.4	103.1	101.0	97.8	94.5	90.3	86.0	81.7	79.5
10°	124.6	123.6	123.6	121.4	119.3	115.0	110.7	107.4	101.0	95.6	93.5
12.5°	142.9	140.7	140.7	138.6	137.5	134.3	130.0	125.7	118.2	111.7	108.5
15°	160.1	159.0	159.0	157.9	156.9	153.6	149.3	145.0	137.5	130.0	125.7
17.5°	179.4	178.4	177.3	177.3	177.3	174.1	170.8	166.5	157.9	148.3	144.0
20°	200.9	198.8	198.8	199.8	199.8	197.7	194.5	189.1	180.5	169.8	163.3
22.5°	223.5	222.4	223.5	223.5	224.6	223.5	220.3	214.9	206.3	193.4	185.9
25°	248.2	247.1	249.3	250.3	252.5	253.6	250.3	243.9	234.2	219.2	210.6
27.5°	278.3	277.2	278.3	282.6	283.6	284.7	282.6	277.2	265.4	248.2	237.4
30°	305.1	305.1	307.3	310.5	313.7	315.9	313.7	309.4	296.5	277.2	265.4
32.5°	333.1	334.1	335.2	339.5	343.8	347.0	344.9	341.7	326.6	308.4	293.3
35°	363.2	364.2	364.2	369.6	375.0	377.1	378.2	370.7	358.9	336.3	320.2
37.5°	393.2	392.2	393.2	398.6	404.0	407.2	408.3	404.0	388.9	364.2	348.1
40°	419.0	419.0	421.2	426.5	431.9	436.2	437.3	431.9	418.0	391.1	373.9
42.5°	445.9	445.9	448.0	452.3	458.8	463.1	465.2	459.9	443.7	418.0	398.6
45°	470.6	470.6	472.7	478.1	484.6	488.9	492.1	485.6	469.5	442.7	424.4
47.5°	494.2	495.3	496.4	500.7	508.2	512.5	516.8	511.4	494.2	464.2	445.9
50°	516.8	517.9	518.9	524.3	529.7	535.1	540.4	535.1	518.9	487.8	467.4
52.5°	537.2	538.3	540.4	542.6	550.1	556.6	561.9	557.6	539.4	508.2	486.7
55°	558.7	558.7	559.8	561.9	569.4	577.0	583.4	579.1	560.9	528.6	507.1
57.5°	577.0	577.0	578.0	580.2	586.6	594.2	601.7	598.5	580.2	546.9	525.4
60°	593.1	593.1	594.2	596.3	602.8	612.4	619.9	616.7	598.5	564.1	542.6
62.5°	609.2	609.2	610.3	612.4	618.9	628.5	637.1	633.9	615.6	581.3	558.7
65°	623.2	623.2	623.2	625.3	632.8	643.6	652.2	650.0	630.7	597.4	573.7
67.5°	636.1	636.1	636.1	637.1	645.7	656.5	667.2	665.1	646.8	612.4	587.7
70°	649.0	646.8	649.0	649.0	657.5	669.4	680.1	679.0	660.8	626.4	601.7
72.5°	658.6	657.5	658.6	660.8	668.3	680.1	691.9	691.9	673.7	638.2	614.6
75°	666.1	666.1	666.1	668.3	676.9	689.8	701.6	701.6	684.4	649.0	625.3
77.5°	673.7	673.7	674.7	675.8	684.4	697.3	711.3	710.2	694.1	658.6	636.1
80°	679.0	678.0	679.0	682.3	689.8	703.7	717.7	717.7	701.6	667.2	643.6
82.5°	683.3	682.3	683.3	686.6	694.1	709.1	723.1	723.1	708.0	674.7	651.1
85°	685.5	685.5	686.6	689.8	697.3	712.3	726.3	727.4	713.4	680.1	656.5
87.5°	686.6	686.6	687.6	691.9	699.5	713.4	728.5	730.6	716.6	682.3	659.7
90°	686.6	686.6	688.7	691.9	700.5	714.5	729.5	731.7	717.7	684.4	661.8
92.5°	686.6	685.5	688.7	691.9	699.5	713.4	728.5	730.6	717.7	684.4	661.8
95°	684.4	683.3	686.6	689.8	697.3	711.3	725.2	728.5	715.6	683.3	659.7
97.5°	680.1	680.1	682.3	686.6	694.1	707.0	722.0	724.2	711.3	679.0	656.5
100°	675.8	675.8	678.0	681.2	688.7	702.7	715.6	718.8	703.7	673.7	650.0
102.5°	670.4	670.4	671.5	674.7	683.3	696.2	708.0	710.2	697.3	665.1	642.5
105°	662.9	661.8	664.0	667.2	674.7	687.6	699.5	701.6	686.6	655.4	632.8
107.5°	653.3	653.3	653.3	657.5	665.1	678.0	688.7	689.8	674.7	643.6	619.9
110°	643.6	643.6	643.6	646.8	655.4	667.2	678.0	678.0	661.8	630.7	609.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	632.8	631.8	631.8	635.0	643.6	655.4	666.1	664.0	647.9	616.7	595.2
115°	619.9	619.9	618.9	622.1	631.8	642.5	652.2	649.0	633.9	601.7	580.2
117.5°	607.1	606.0	606.0	609.2	617.8	629.6	638.2	635.0	617.8	586.6	565.1
120°	593.1	592.0	590.9	594.2	603.8	614.6	622.1	617.8	599.5	569.4	549.0
122.5°	577.0	575.9	575.9	579.1	588.8	599.5	606.0	599.5	583.4	552.3	531.8
125°	559.8	560.9	559.8	563.0	571.6	583.4	588.8	582.3	565.1	534.0	513.6
127.5°	542.6	542.6	541.5	545.8	554.4	565.1	570.5	563.0	545.8	514.7	495.3
130°	524.3	524.3	523.2	527.5	536.1	545.8	549.0	541.5	524.3	494.2	474.9
132.5°	503.9	505.0	505.0	509.3	516.8	524.3	528.6	520.0	502.8	473.8	454.5
135°	484.6	483.5	484.6	487.8	496.4	502.8	503.9	496.4	480.3	451.3	433.0
137.5°	462.0	463.1	463.1	466.3	473.8	480.3	481.3	472.7	456.6	428.7	410.4
140°	440.5	440.5	442.7	444.8	450.2	455.6	455.6	447.0	431.9	404.0	386.8
142.5°	418.0	418.0	419.0	423.3	427.6	430.8	429.8	421.2	406.1	379.3	364.2
145°	396.5	396.5	397.5	400.8	404.0	406.1	404.0	396.5	381.4	354.6	340.6
147.5°	376.0	375.0	377.1	379.3	381.4	382.5	380.3	371.8	355.6	333.1	318.0
150°	354.6	354.6	354.6	357.8	358.9	358.9	355.6	347.0	332.0	309.4	296.5
152.5°	333.1	332.0	333.1	334.1	335.2	334.1	329.8	321.3	307.3	286.9	275.1
155°	310.5	310.5	311.6	311.6	311.6	310.5	306.2	296.5	283.6	265.4	251.4
157.5°	289.0	289.0	289.0	289.0	289.0	286.9	281.5	272.9	257.9	241.7	233.2
160°	267.5	267.5	266.5	265.4	264.3	260.0	255.7	247.1	236.4	222.4	214.9
162.5°	243.9	242.8	242.8	241.7	240.7	237.4	232.1	224.6	214.9	203.1	196.6
165°	222.4	221.3	220.3	220.3	218.1	214.9	210.6	204.1	195.5	184.8	179.4
167.5°	203.1	202.0	200.9	200.9	198.8	194.5	190.2	184.8	177.3	168.7	164.4
170°	185.9	184.8	183.7	182.7	180.5	177.3	173.0	167.6	162.2	155.8	151.5
172.5°	168.7	167.6	166.5	166.5	164.4	161.2	157.9	153.6	149.3	144.0	141.8
175°	152.6	153.6	152.6	151.5	150.4	147.2	145.0	141.8	139.7	136.5	134.3
177.5°	139.7	140.7	140.7	139.7	138.6	136.5	135.4	133.2	132.2	130.0	128.9
180°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	62.3	59.1	56.9	53.7	50.5	48.3	46.2	44.1	43.0	43.0
5°	64.5	61.2	56.9	52.6	49.4	45.1	43.0	40.8	39.8	39.8
7.5°	76.3	72.0	66.6	61.2	56.9	51.6	48.3	46.2	45.1	45.1
10°	89.2	83.8	77.4	70.9	65.5	60.2	55.9	52.6	51.6	51.6
12.5°	104.2	96.7	89.2	80.6	74.1	66.6	62.3	59.1	58.0	56.9
15°	120.3	110.7	101.0	90.3	81.7	74.1	67.7	63.4	62.3	62.3
17.5°	137.5	124.6	112.8	99.9	89.2	78.4	72.0	66.6	64.5	64.5
20°	155.8	140.7	124.6	109.6	95.6	83.8	74.1	68.8	65.5	65.5
22.5°	177.3	159.0	138.6	120.3	104.2	89.2	77.4	69.8	66.6	65.5
25°	199.8	177.3	154.7	133.2	112.8	94.5	81.7	73.1	67.7	67.7
27.5°	224.6	198.8	171.9	146.1	121.4	101.0	84.9	75.2	69.8	68.8
30°	251.4	221.3	190.2	159.0	131.1	107.4	89.2	77.4	72.0	70.9
32.5°	277.2	242.8	207.4	173.0	140.7	112.8	93.5	80.6	74.1	73.1
35°	305.1	266.5	225.6	187.0	150.4	119.3	96.7	82.7	76.3	75.2
37.5°	330.9	289.0	242.8	199.8	160.1	125.7	101.0	86.0	78.4	77.4
40°	355.6	311.6	262.2	213.8	169.8	132.2	105.3	89.2	80.6	79.5
42.5°	379.3	333.1	280.4	226.7	178.4	138.6	109.6	92.4	83.8	82.7
45°	402.9	352.4	297.6	239.6	188.0	144.0	113.9	94.5	87.0	84.9
47.5°	424.4	371.8	313.7	252.5	196.6	150.4	117.1	97.8	89.2	88.1
50°	444.8	391.1	328.8	265.4	205.2	155.8	121.4	101.0	92.4	91.3
52.5°	464.2	408.3	344.9	278.3	212.7	161.2	125.7	104.2	95.6	94.5
55°	482.4	425.5	358.9	289.0	221.3	166.5	128.9	108.5	98.8	97.8
57.5°	501.8	441.6	372.8	300.8	228.9	171.9	133.2	111.7	102.1	101.0
60°	516.8	456.6	385.7	310.5	236.4	177.3	137.5	115.0	105.3	104.2
62.5°	534.0	470.6	398.6	321.3	243.9	182.7	141.8	119.3	109.6	108.5
65°	548.0	484.6	410.4	330.9	250.3	187.0	145.0	122.5	112.8	111.7
67.5°	563.0	498.5	422.2	340.6	257.9	192.3	149.3	126.8	117.1	116.0
70°	575.9	510.4	433.0	349.2	265.4	197.7	153.6	130.0	121.4	119.3
72.5°	587.7	523.2	443.7	357.8	274.0	202.0	157.9	134.3	124.6	123.6
75°	598.5	532.9	453.4	365.3	279.4	206.3	161.2	137.5	128.9	126.8
77.5°	609.2	542.6	462.0	372.8	284.7	211.7	165.5	141.8	132.2	131.1
80°	617.8	550.1	469.5	378.2	289.0	214.9	168.7	145.0	135.4	134.3
82.5°	624.2	556.6	476.0	383.6	293.3	218.1	170.8	147.2	137.5	136.5
85°	629.6	561.9	480.3	387.9	297.6	220.3	174.1	149.3	139.7	138.6
87.5°	633.9	565.1	483.5	391.1	298.7	222.4	175.1	151.5	141.8	140.7
90°	636.1	567.3	485.6	392.2	300.8	223.5	176.2	152.6	142.9	141.8
92.5°	635.0	567.3	485.6	393.2	301.9	224.6	177.3	152.6	142.9	141.8
95°	633.9	566.2	484.6	392.2	300.8	224.6	177.3	152.6	142.9	141.8
97.5°	629.6	563.0	482.4	390.0	299.8	223.5	175.1	151.5	141.8	140.7
100°	624.2	556.6	478.1	386.8	297.6	221.3	174.1	149.3	139.7	138.6
102.5°	615.6	550.1	471.7	382.5	293.3	218.1	170.8	147.2	137.5	136.5
105°	606.0	541.5	464.2	376.0	289.0	214.9	167.6	144.0	134.3	133.2
107.5°	596.3	529.7	454.5	368.5	283.6	210.6	164.4	140.7	131.1	130.0
110°	583.4	518.9	444.8	361.0	277.2	205.2	160.1	136.5	127.9	125.7



REPORT NUMBER: P256779

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7027-BK

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	569.4	507.1	434.1	351.3	270.8	200.9	156.9	133.2	123.6	122.5
115°	555.5	493.2	422.2	342.7	261.1	195.5	152.6	130.0	120.3	119.3
117.5°	540.4	479.2	409.4	332.0	253.6	190.2	148.3	125.7	116.0	115.0
120°	524.3	465.2	396.5	321.3	246.0	184.8	144.0	122.5	112.8	111.7
122.5°	508.2	450.2	383.6	311.6	238.5	179.4	140.7	118.2	109.6	107.4
125°	491.0	434.1	369.6	299.8	231.0	175.1	136.5	115.0	106.4	105.3
127.5°	472.7	416.9	354.6	287.9	222.4	169.8	133.2	112.8	103.1	102.1
130°	453.4	400.8	340.6	277.2	214.9	164.4	130.0	109.6	99.9	98.8
132.5°	433.0	382.5	325.6	263.2	206.3	159.0	125.7	106.4	97.8	96.7
135°	411.5	364.2	309.4	250.3	197.7	153.6	122.5	104.2	95.6	94.5
137.5°	391.1	344.9	294.4	238.5	190.2	149.3	120.3	102.1	94.5	93.5
140°	367.5	324.5	277.2	226.7	181.6	144.0	117.1	99.9	92.4	91.3
142.5°	344.9	305.1	258.9	214.9	174.1	139.7	115.0	98.8	91.3	90.3
145°	323.4	285.8	243.9	204.1	166.5	135.4	111.7	97.8	91.3	90.3
147.5°	303.0	268.6	229.9	193.4	159.0	131.1	109.6	96.7	90.3	89.2
150°	282.6	248.2	214.9	182.7	152.6	126.8	108.5	95.6	90.3	89.2
152.5°	258.9	231.0	202.0	173.0	146.1	123.6	106.4	95.6	90.3	90.3
155°	240.7	214.9	189.1	163.3	140.7	121.4	106.4	96.7	91.3	91.3
157.5°	222.4	200.9	178.4	155.8	136.5	119.3	106.4	97.8	93.5	93.5
160°	205.2	187.0	167.6	149.3	132.2	118.2	106.4	98.8	95.6	94.5
162.5°	189.1	173.0	156.9	141.8	127.9	116.0	106.4	99.9	96.7	96.7
165°	173.0	160.1	147.2	135.4	124.6	113.9	106.4	102.1	98.8	98.8
167.5°	159.0	149.3	139.7	130.0	121.4	113.9	107.4	103.1	102.1	101.0
170°	148.3	140.7	133.2	125.7	119.3	112.8	108.5	106.4	104.2	104.2
172.5°	138.6	133.2	127.9	122.5	118.2	113.9	111.7	109.6	108.5	108.5
175°	132.2	128.9	125.7	122.5	120.3	117.1	116.0	115.0	113.9	113.9
177.5°	128.9	126.8	125.7	124.6	123.6	122.5	122.5	121.4	121.4	121.4
180°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9

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