

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: P256780

Luminaire Tested: **ULA-A6-D-U-ASYM-VMx-7030-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256780
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-7030-BK
Description: UTILITY LIGHT ACORN TYPE IV ASYMMETRIC
Light Source: (60) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5301.1 lumens
Efficiency: N/A
Efficacy: 116.5 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

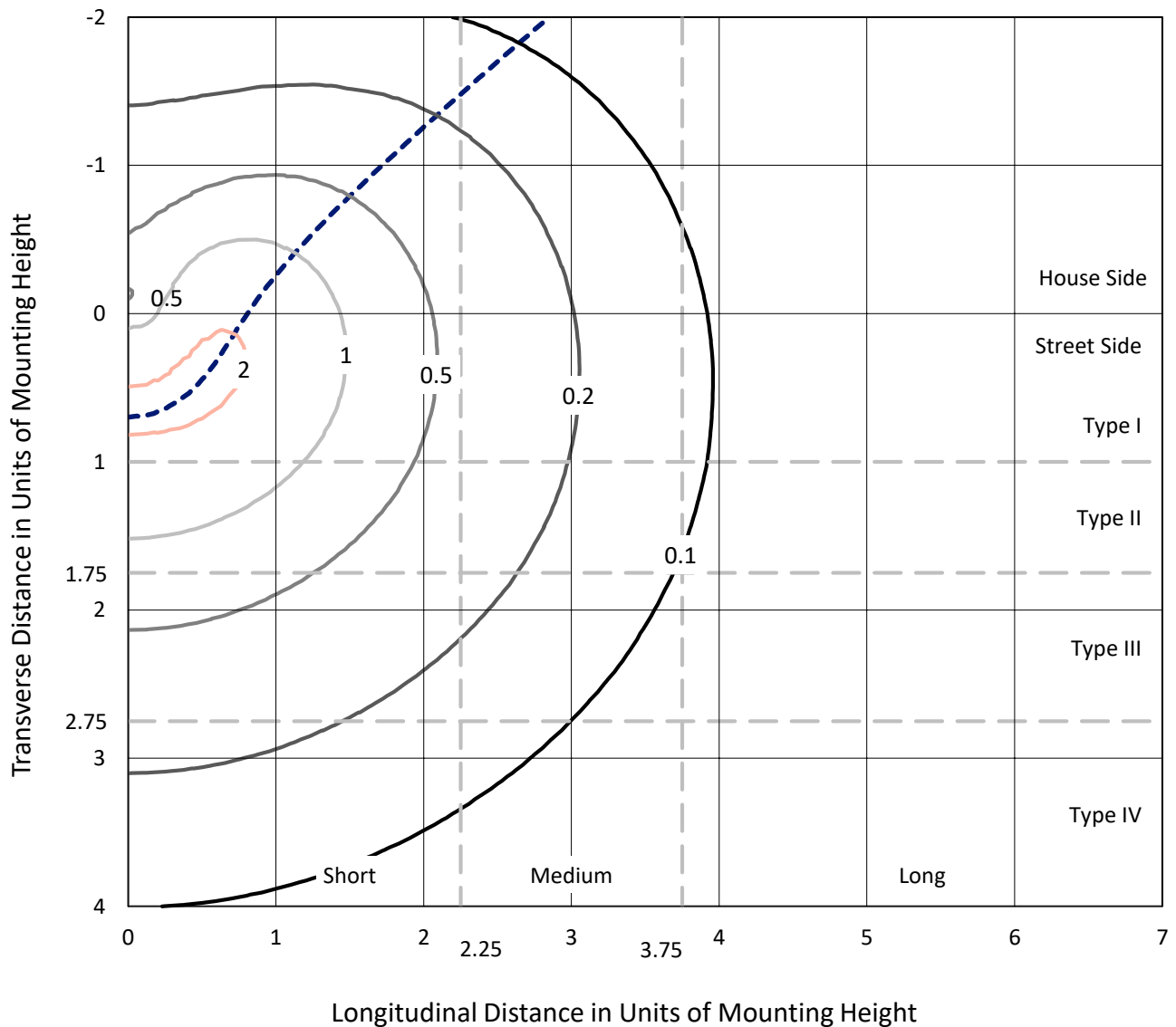


REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

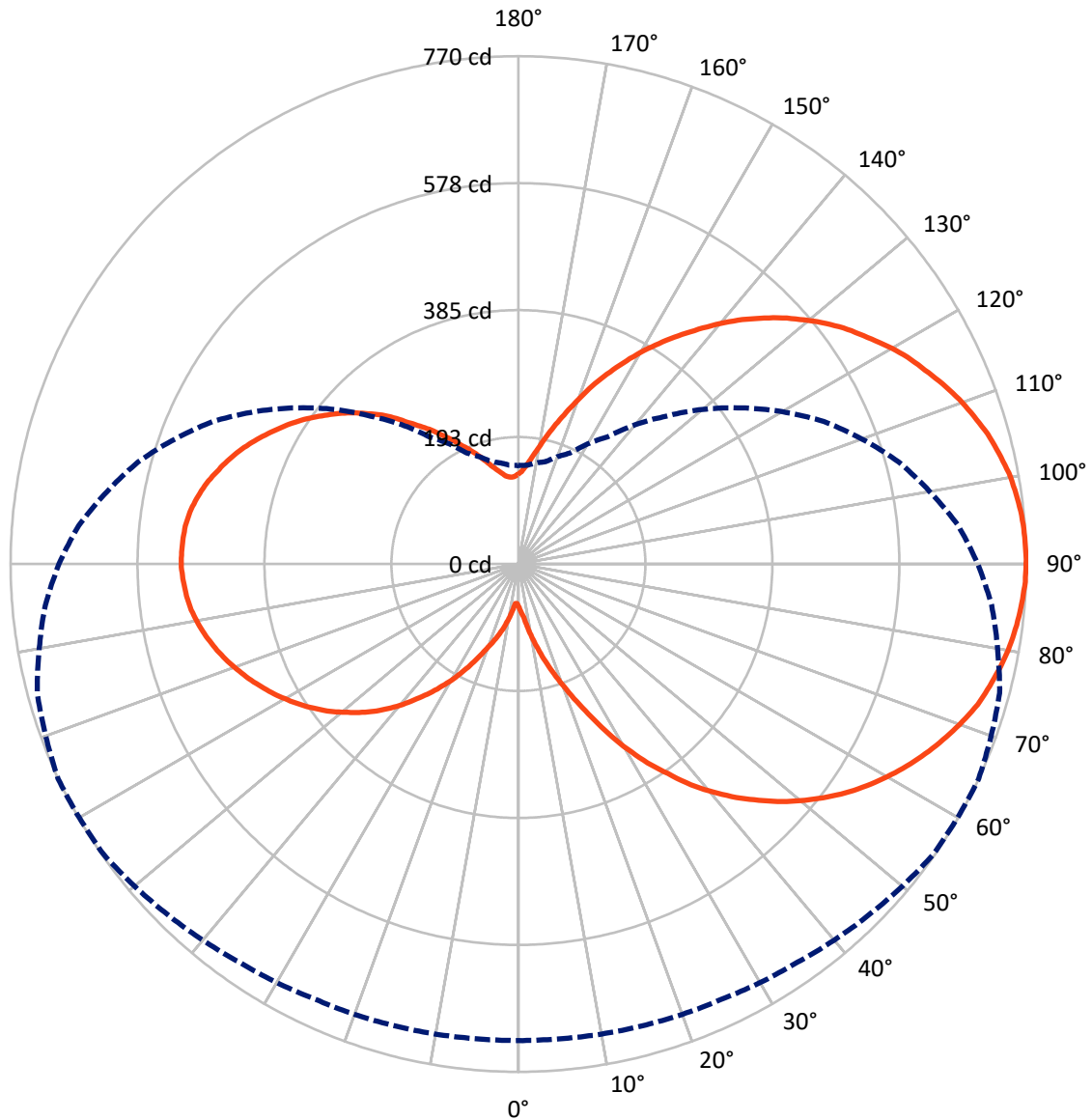


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type - Short - Non-Cutoff

REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical

REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

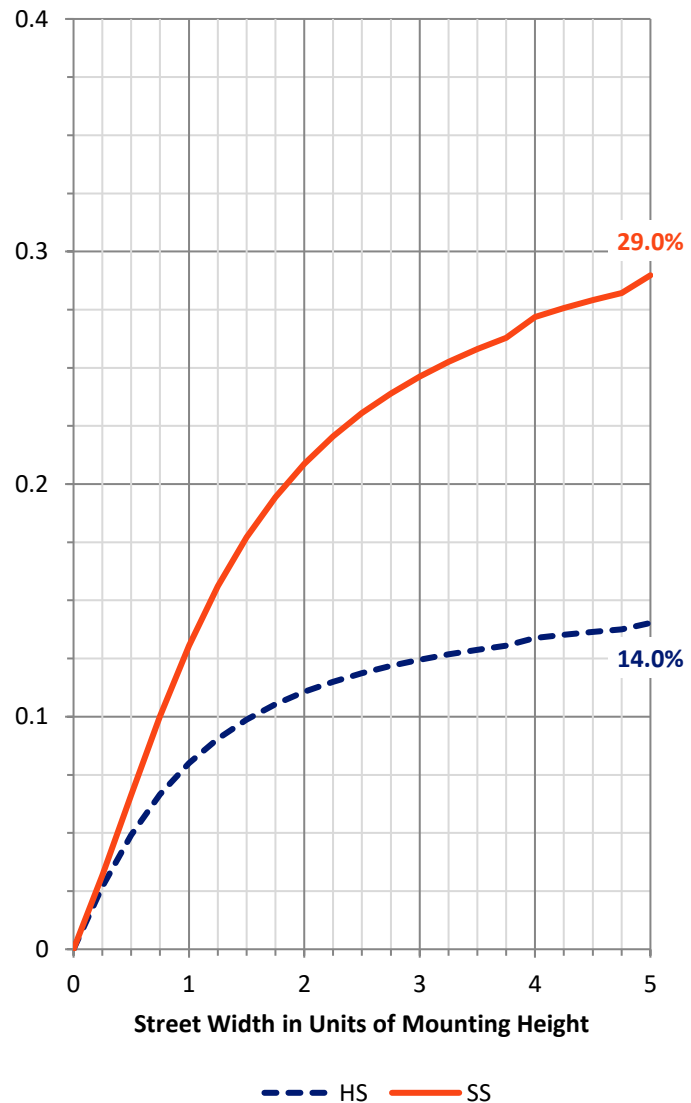
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.6	873.4	1705.0
	% Fixture	15.7	16.5	32.2
Street Side	Lumens	1777.9	1818.3	3596.2
	% Fixture	33.5	34.3	67.8
Total	Lumens	2609.4	2691.7	5301.1
	% Fixture	49.2	50.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	36.1	0.7
20°-30°	90.9	1.7
30°-40°	177.3	3.3
40°-50°	281.2	5.3
50°-60°	385.9	7.3
60°-70°	480.0	9.1
70°-80°	554.3	10.5
80°-90°	596.1	11.2
90°-100°	598.3	11.3
100°-110°	558.1	10.5
110°-120°	484.3	9.1
120°-130°	391.7	7.4
130°-140°	290.3	5.5
140°-150°	192.2	3.6
150°-160°	111.2	2.1
160°-170°	51.7	1.0
170°-180°	13.9	0.3
0°-90°	2609.4	49.2
0°-180°	5301.1	100.0



REPORT NUMBER: P256780

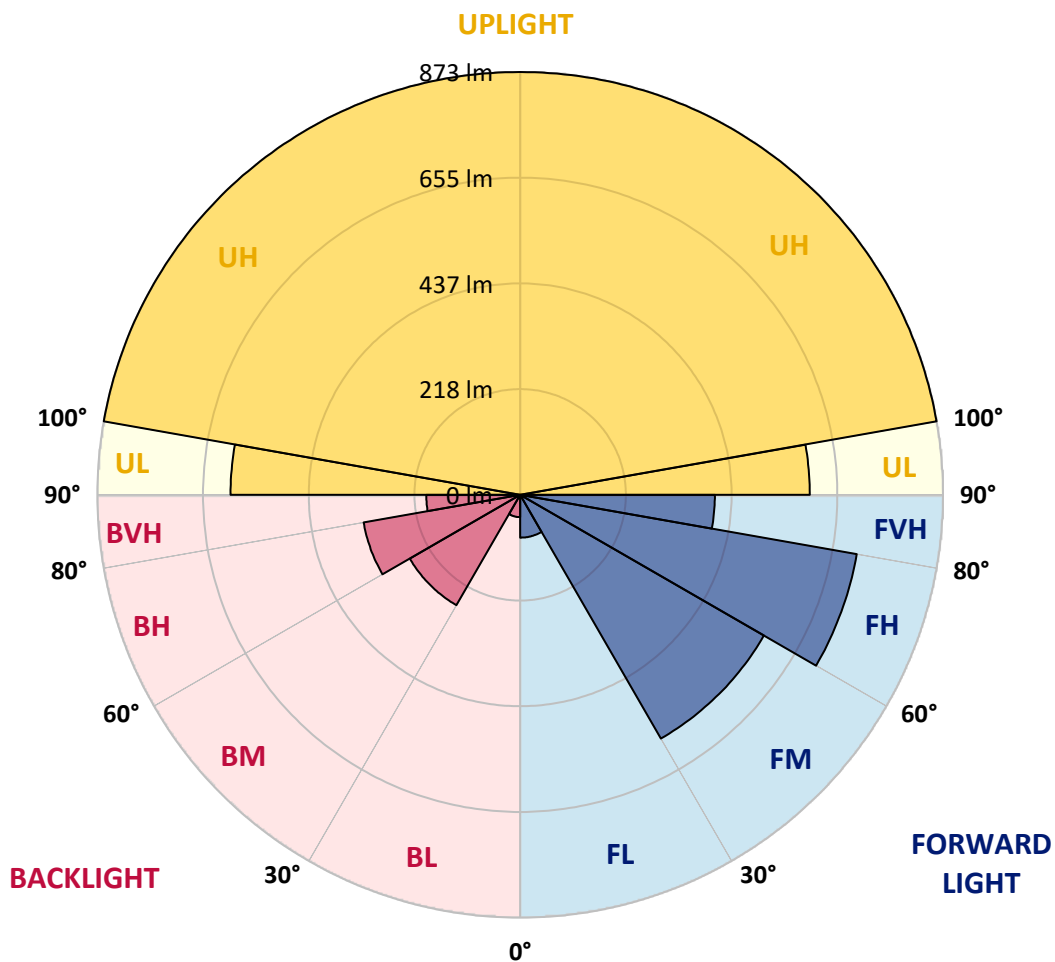
CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.5	1.7			
FM (30°-60°)	581.3	11.0			
FH (60°-80°)	705.9	13.3			G1/1800
FVH (80°-90°)	402.1	7.6			G3/500
BL (0°-30°)	46.1	0.9	B0/110		
BM (30°-60°)	263.2	5.0	B1/1000		
BH (60°-80°)	328.4	6.2	B1/500		G1/500
BVH (80°-90°)	194.0	3.7			G2/225
UL (90°-100°)	598.3	11.3		U4/1000	
UH (100°-180°)	873.4	16.5		U4/1000	

BUG Rating: B1-U5-G3

Type Short





REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	79.2	76.9	76.9	75.8	75.8	74.6	73.5	72.4	70.1	67.9	66.7
5°	95.0	93.9	93.9	91.6	89.3	87.1	83.7	80.3	76.9	72.4	71.3
7.5°	113.1	112.0	112.0	108.6	106.3	102.9	99.5	95.0	90.5	86.0	83.7
10°	131.2	130.1	130.1	127.8	125.5	121.0	116.5	113.1	106.3	100.7	98.4
12.5°	150.4	148.2	148.2	145.9	144.8	141.4	136.8	132.3	124.4	117.6	114.2
15°	168.5	167.4	167.4	166.3	165.1	161.7	157.2	152.7	144.8	136.8	132.3
17.5°	188.9	187.7	186.6	186.6	186.6	183.2	179.8	175.3	166.3	156.1	151.6
20°	211.5	209.2	209.2	210.4	210.4	208.1	204.7	199.1	190.0	178.7	171.9
22.5°	235.2	234.1	235.2	235.2	236.4	235.2	231.9	226.2	217.1	203.6	195.7
25°	261.3	260.1	262.4	263.5	265.8	266.9	263.5	256.7	246.6	230.7	221.7
27.5°	292.9	291.8	292.9	297.4	298.6	299.7	297.4	291.8	279.4	261.3	249.9
30°	321.2	321.2	323.5	326.9	330.2	332.5	330.2	325.7	312.2	291.8	279.4
32.5°	350.6	351.7	352.9	357.4	361.9	365.3	363.0	359.7	343.8	324.6	308.8
35°	382.3	383.4	383.4	389.1	394.7	397.0	398.1	390.2	377.7	354.0	337.0
37.5°	413.9	412.8	413.9	419.6	425.3	428.6	429.8	425.3	409.4	383.4	366.4
40°	441.1	441.1	443.3	449.0	454.7	459.2	460.3	454.7	440.0	411.7	393.6
42.5°	469.4	469.4	471.6	476.1	482.9	487.5	489.7	484.1	467.1	440.0	419.6
45°	495.4	495.4	497.6	503.3	510.1	514.6	518.0	511.2	494.2	466.0	446.7
47.5°	520.3	521.4	522.5	527.0	535.0	539.5	544.0	538.3	520.3	488.6	469.4
50°	544.0	545.1	546.3	551.9	557.6	563.2	568.9	563.2	546.3	513.5	492.0
52.5°	565.5	566.6	568.9	571.1	579.1	585.9	591.5	587.0	567.8	535.0	512.3
55°	588.1	588.1	589.2	591.5	599.4	607.3	614.1	609.6	590.4	556.4	533.8
57.5°	607.3	607.3	608.5	610.7	617.5	625.4	633.4	630.0	610.7	575.7	553.1
60°	624.3	624.3	625.4	627.7	634.5	644.7	652.6	649.2	630.0	593.8	571.1
62.5°	641.3	641.3	642.4	644.7	651.4	661.6	670.7	667.3	648.1	611.9	588.1
65°	656.0	656.0	656.0	658.2	666.2	677.5	686.5	684.2	663.9	628.8	603.9
67.5°	669.5	669.5	669.5	670.7	679.7	691.0	702.3	700.1	680.9	644.7	618.6
70°	683.1	680.9	683.1	683.1	692.2	704.6	715.9	714.8	695.6	659.4	633.4
72.5°	693.3	692.2	693.3	695.6	703.5	715.9	728.4	728.4	709.1	671.8	646.9
75°	701.2	701.2	701.2	703.5	712.5	726.1	738.5	738.5	720.4	683.1	658.2
77.5°	709.1	709.1	710.3	711.4	720.4	734.0	748.7	747.6	730.6	693.3	669.5
80°	714.8	713.7	714.8	718.2	726.1	740.8	755.5	755.5	738.5	702.3	677.5
82.5°	719.3	718.2	719.3	722.7	730.6	746.5	761.2	761.2	745.3	710.3	685.4
85°	721.6	721.6	722.7	726.1	734.0	749.8	764.5	765.7	751.0	715.9	691.0
87.5°	722.7	722.7	723.8	728.4	736.3	751.0	766.8	769.1	754.4	718.2	694.4
90°	722.7	722.7	725.0	728.4	737.4	752.1	767.9	770.2	755.5	720.4	696.7
92.5°	722.7	721.6	725.0	728.4	736.3	751.0	766.8	769.1	755.5	720.4	696.7
95°	720.4	719.3	722.7	726.1	734.0	748.7	763.4	766.8	753.2	719.3	694.4
97.5°	715.9	715.9	718.2	722.7	730.6	744.2	760.0	762.3	748.7	714.8	691.0
100°	711.4	711.4	713.7	717.0	725.0	739.7	753.2	756.6	740.8	709.1	684.2
102.5°	705.7	705.7	706.9	710.3	719.3	732.9	745.3	747.6	734.0	700.1	676.3
105°	697.8	696.7	698.9	702.3	710.3	723.8	736.3	738.5	722.7	689.9	666.2
107.5°	687.6	687.6	687.6	692.2	700.1	713.7	725.0	726.1	710.3	677.5	652.6
110°	677.5	677.5	677.5	680.9	689.9	702.3	713.7	713.7	696.7	663.9	641.3



REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	666.2	665.0	665.0	668.4	677.5	689.9	701.2	698.9	682.0	649.2	626.6
115°	652.6	652.6	651.4	654.8	665.0	676.3	686.5	683.1	667.3	633.4	610.7
117.5°	639.0	637.9	637.9	641.3	650.3	662.8	671.8	668.4	650.3	617.5	594.9
120°	624.3	623.2	622.0	625.4	635.6	646.9	654.8	650.3	631.1	599.4	577.9
122.5°	607.3	606.2	606.2	609.6	619.8	631.1	637.9	631.1	614.1	581.3	559.8
125°	589.2	590.4	589.2	592.6	601.7	614.1	619.8	613.0	594.9	562.1	540.6
127.5°	571.1	571.1	570.0	574.5	583.6	594.9	600.6	592.6	574.5	541.7	521.4
130°	551.9	551.9	550.8	555.3	564.4	574.5	577.9	570.0	551.9	520.3	499.9
132.5°	530.4	531.6	531.6	536.1	544.0	551.9	556.4	547.4	529.3	498.8	478.4
135°	510.1	508.9	510.1	513.5	522.5	529.3	530.4	522.5	505.6	475.0	455.8
137.5°	486.3	487.5	487.5	490.8	498.8	505.6	506.7	497.6	480.7	451.3	432.0
140°	463.7	463.7	466.0	468.2	473.9	479.5	479.5	470.5	454.7	425.3	407.2
142.5°	440.0	440.0	441.1	445.6	450.1	453.5	452.4	443.3	427.5	399.2	383.4
145°	417.3	417.3	418.5	421.9	425.3	427.5	425.3	417.3	401.5	373.2	358.5
147.5°	395.8	394.7	397.0	399.2	401.5	402.6	400.4	391.3	374.4	350.6	334.8
150°	373.2	373.2	373.2	376.6	377.7	377.7	374.4	365.3	349.5	325.7	312.2
152.5°	350.6	349.5	350.6	351.7	352.9	351.7	347.2	338.2	323.5	302.0	289.5
155°	326.9	326.9	328.0	328.0	328.0	326.9	322.3	312.2	298.6	279.4	264.7
157.5°	304.2	304.2	304.2	304.2	304.2	302.0	296.3	287.3	271.4	254.5	245.4
160°	281.6	281.6	280.5	279.4	278.2	273.7	269.2	260.1	248.8	234.1	226.2
162.5°	256.7	255.6	255.6	254.5	253.3	249.9	244.3	236.4	226.2	213.8	207.0
165°	234.1	233.0	231.9	231.9	229.6	226.2	221.7	214.9	205.8	194.5	188.9
167.5°	213.8	212.6	211.5	211.5	209.2	204.7	200.2	194.5	186.6	177.6	173.0
170°	195.7	194.5	193.4	192.3	190.0	186.6	182.1	176.4	170.8	164.0	159.5
172.5°	177.6	176.4	175.3	175.3	173.0	169.6	166.3	161.7	157.2	151.6	149.3
175°	160.6	161.7	160.6	159.5	158.3	154.9	152.7	149.3	147.0	143.6	141.4
177.5°	147.0	148.2	148.2	147.0	145.9	143.6	142.5	140.2	139.1	136.8	135.7
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7



REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	65.6	62.2	59.9	56.5	53.2	50.9	48.6	46.4	45.2	45.2
5°	67.9	64.5	59.9	55.4	52.0	47.5	45.2	43.0	41.8	41.8
7.5°	80.3	75.8	70.1	64.5	59.9	54.3	50.9	48.6	47.5	47.5
10°	93.9	88.2	81.4	74.6	69.0	63.3	58.8	55.4	54.3	54.3
12.5°	109.7	101.8	93.9	84.8	78.0	70.1	65.6	62.2	61.1	59.9
15°	126.7	116.5	106.3	95.0	86.0	78.0	71.3	66.7	65.6	65.6
17.5°	144.8	131.2	118.8	105.2	93.9	82.6	75.8	70.1	67.9	67.9
20°	164.0	148.2	131.2	115.4	100.7	88.2	78.0	72.4	69.0	69.0
22.5°	186.6	167.4	145.9	126.7	109.7	93.9	81.4	73.5	70.1	69.0
25°	210.4	186.6	162.9	140.2	118.8	99.5	86.0	76.9	71.3	71.3
27.5°	236.4	209.2	181.0	153.8	127.8	106.3	89.3	79.2	73.5	72.4
30°	264.7	233.0	200.2	167.4	138.0	113.1	93.9	81.4	75.8	74.6
32.5°	291.8	255.6	218.3	182.1	148.2	118.8	98.4	84.8	78.0	76.9
35°	321.2	280.5	237.5	196.8	158.3	125.5	101.8	87.1	80.3	79.2
37.5°	348.3	304.2	255.6	210.4	168.5	132.3	106.3	90.5	82.6	81.4
40°	374.4	328.0	276.0	225.1	178.7	139.1	110.8	93.9	84.8	83.7
42.5°	399.2	350.6	295.2	238.6	187.7	145.9	115.4	97.3	88.2	87.1
45°	424.1	371.0	313.3	252.2	197.9	151.6	119.9	99.5	91.6	89.3
47.5°	446.7	391.3	330.2	265.8	207.0	158.3	123.3	102.9	93.9	92.7
50°	468.2	411.7	346.1	279.4	216.0	164.0	127.8	106.3	97.3	96.1
52.5°	488.6	429.8	363.0	292.9	223.9	169.6	132.3	109.7	100.7	99.5
55°	507.8	447.9	377.7	304.2	233.0	175.3	135.7	114.2	104.1	102.9
57.5°	528.2	464.8	392.5	316.7	240.9	181.0	140.2	117.6	107.4	106.3
60°	544.0	480.7	406.0	326.9	248.8	186.6	144.8	121.0	110.8	109.7
62.5°	562.1	495.4	419.6	338.2	256.7	192.3	149.3	125.5	115.4	114.2
65°	576.8	510.1	432.0	348.3	263.5	196.8	152.7	128.9	118.8	117.6
67.5°	592.6	524.8	444.5	358.5	271.4	202.4	157.2	133.5	123.3	122.1
70°	606.2	537.2	455.8	367.6	279.4	208.1	161.7	136.8	127.8	125.5
72.5°	618.6	550.8	467.1	376.6	288.4	212.6	166.3	141.4	131.2	130.1
75°	630.0	561.0	477.3	384.5	294.1	217.1	169.6	144.8	135.7	133.5
77.5°	641.3	571.1	486.3	392.5	299.7	222.8	174.2	149.3	139.1	138.0
80°	650.3	579.1	494.2	398.1	304.2	226.2	177.6	152.7	142.5	141.4
82.5°	657.1	585.9	501.0	403.8	308.8	229.6	179.8	154.9	144.8	143.6
85°	662.8	591.5	505.6	408.3	313.3	231.9	183.2	157.2	147.0	145.9
87.5°	667.3	594.9	508.9	411.7	314.4	234.1	184.4	159.5	149.3	148.2
90°	669.5	597.2	511.2	412.8	316.7	235.2	185.5	160.6	150.4	149.3
92.5°	668.4	597.2	511.2	413.9	317.8	236.4	186.6	160.6	150.4	149.3
95°	667.3	596.0	510.1	412.8	316.7	236.4	186.6	160.6	150.4	149.3
97.5°	662.8	592.6	507.8	410.5	315.5	235.2	184.4	159.5	149.3	148.2
100°	657.1	585.9	503.3	407.2	313.3	233.0	183.2	157.2	147.0	145.9
102.5°	648.1	579.1	496.5	402.6	308.8	229.6	179.8	154.9	144.8	143.6
105°	637.9	570.0	488.6	395.8	304.2	226.2	176.4	151.6	141.4	140.2
107.5°	627.7	557.6	478.4	387.9	298.6	221.7	173.0	148.2	138.0	136.8
110°	614.1	546.3	468.2	380.0	291.8	216.0	168.5	143.6	134.6	132.3



REPORT NUMBER: P256780

CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-BK

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	599.4	533.8	456.9	369.8	285.0	211.5	165.1	140.2	130.1	128.9
115°	584.7	519.1	444.5	360.8	274.8	205.8	160.6	136.8	126.7	125.5
117.5°	568.9	504.4	430.9	349.5	266.9	200.2	156.1	132.3	122.1	121.0
120°	551.9	489.7	417.3	338.2	259.0	194.5	151.6	128.9	118.8	117.6
122.5°	535.0	473.9	403.8	328.0	251.1	188.9	148.2	124.4	115.4	113.1
125°	516.9	456.9	389.1	315.5	243.2	184.4	143.6	121.0	112.0	110.8
127.5°	497.6	438.8	373.2	303.1	234.1	178.7	140.2	118.8	108.6	107.4
130°	477.3	421.9	358.5	291.8	226.2	173.0	136.8	115.4	105.2	104.1
132.5°	455.8	402.6	342.7	277.1	217.1	167.4	132.3	112.0	102.9	101.8
135°	433.2	383.4	325.7	263.5	208.1	161.7	128.9	109.7	100.7	99.5
137.5°	411.7	363.0	309.9	251.1	200.2	157.2	126.7	107.4	99.5	98.4
140°	386.8	341.6	291.8	238.6	191.1	151.6	123.3	105.2	97.3	96.1
142.5°	363.0	321.2	272.6	226.2	183.2	147.0	121.0	104.1	96.1	95.0
145°	340.4	300.8	256.7	214.9	175.3	142.5	117.6	102.9	96.1	95.0
147.5°	318.9	282.7	242.0	203.6	167.4	138.0	115.4	101.8	95.0	93.9
150°	297.4	261.3	226.2	192.3	160.6	133.5	114.2	100.7	95.0	93.9
152.5°	272.6	243.2	212.6	182.1	153.8	130.1	112.0	100.7	95.0	95.0
155°	253.3	226.2	199.1	171.9	148.2	127.8	112.0	101.8	96.1	96.1
157.5°	234.1	211.5	187.7	164.0	143.6	125.5	112.0	102.9	98.4	98.4
160°	216.0	196.8	176.4	157.2	139.1	124.4	112.0	104.1	100.7	99.5
162.5°	199.1	182.1	165.1	149.3	134.6	122.1	112.0	105.2	101.8	101.8
165°	182.1	168.5	154.9	142.5	131.2	119.9	112.0	107.4	104.1	104.1
167.5°	167.4	157.2	147.0	136.8	127.8	119.9	113.1	108.6	107.4	106.3
170°	156.1	148.2	140.2	132.3	125.5	118.8	114.2	112.0	109.7	109.7
172.5°	145.9	140.2	134.6	128.9	124.4	119.9	117.6	115.4	114.2	114.2
175°	139.1	135.7	132.3	128.9	126.7	123.3	122.1	121.0	119.9	119.9
177.5°	135.7	133.5	132.3	131.2	130.1	128.9	128.9	127.8	127.8	127.8
180°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7

(END OF REPORT)