

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: P256801

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-729-18)
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-HSS-BK
Description: UTILITY LIGHT ACORN ASYMMETRIC W/ HSS
Light Source: (60) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4959.3 lumens
Efficiency: N/A
Efficacy: 109.0 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

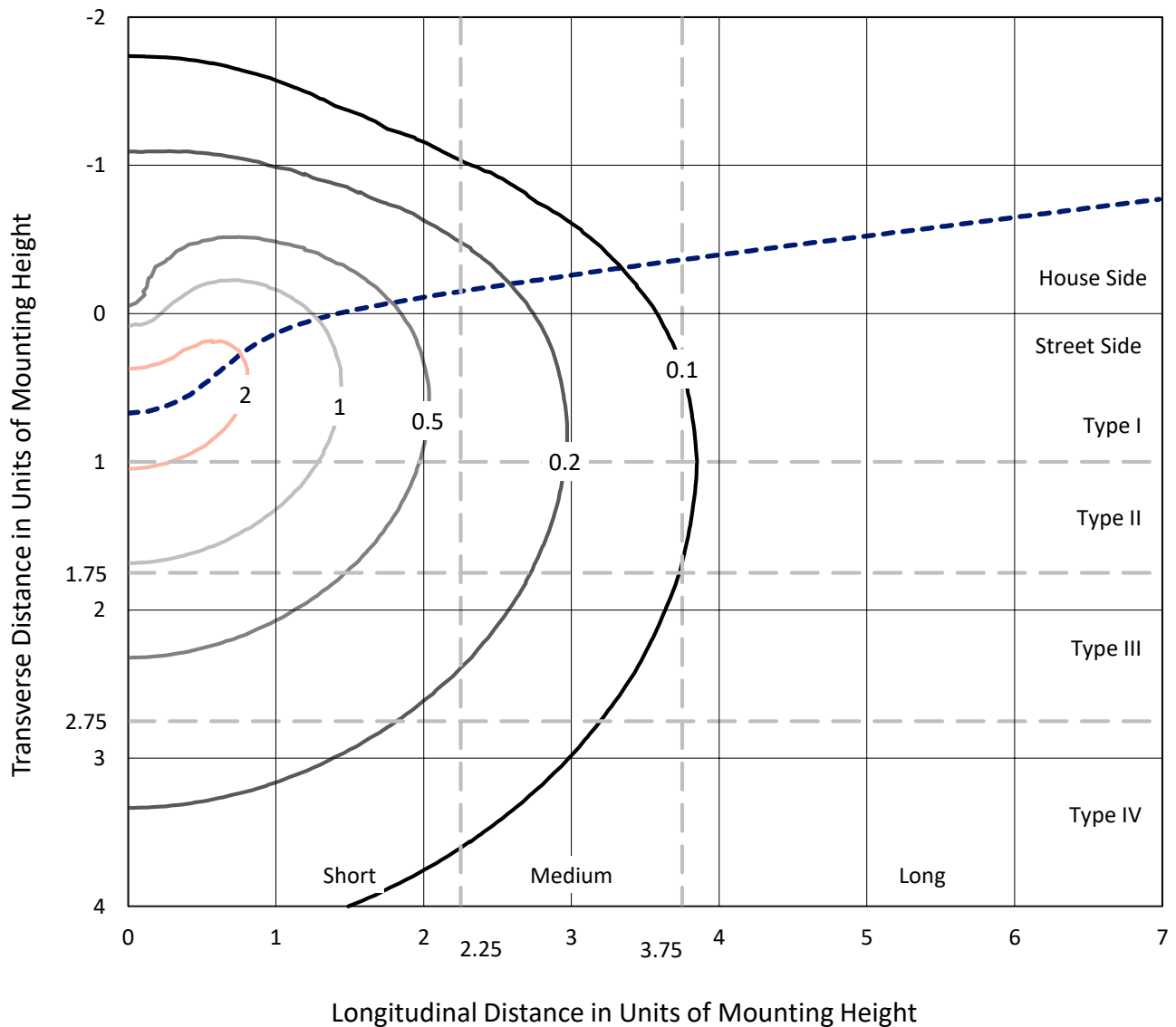


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

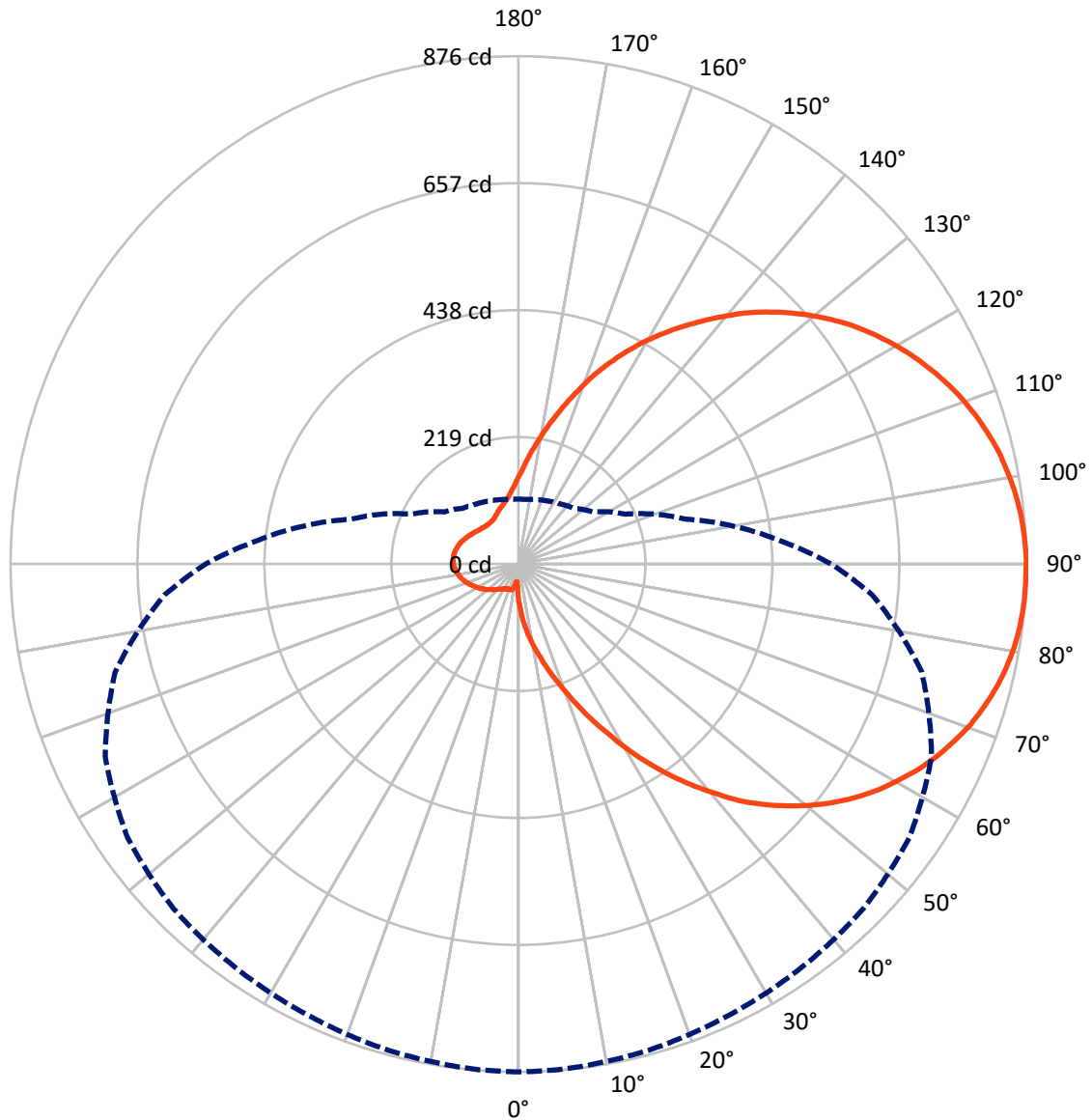


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical

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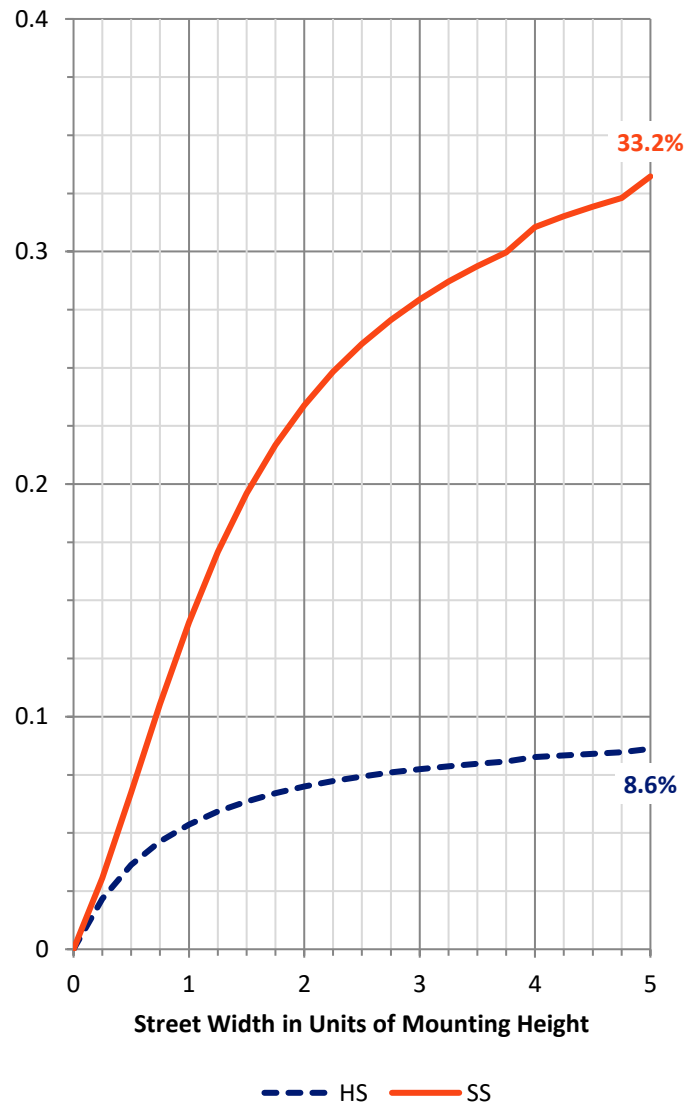
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	474.2	576.0	1050.2
	% Fixture	9.6	11.6	21.2
Street Side	Lumens	1923.4	1985.7	3909.1
	% Fixture	38.8	40.0	78.8
Total	Lumens	2397.6	2561.7	4959.3
	% Fixture	48.3	51.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	34.5	0.7
20°-30°	86.3	1.7
30°-40°	166.3	3.4
40°-50°	262.0	5.3
50°-60°	357.1	7.2
60°-70°	440.6	8.9
70°-80°	504.4	10.2
80°-90°	539.2	10.9
90°-100°	541.6	10.9
100°-110°	511.0	10.3
110°-120°	453.7	9.1
120°-130°	378.4	7.6
130°-140°	289.9	5.8
140°-150°	198.3	4.0
150°-160°	117.9	2.4
160°-170°	55.8	1.1
170°-180°	15.1	0.3
0°-90°	2397.6	48.3
0°-180°	4959.3	100.0



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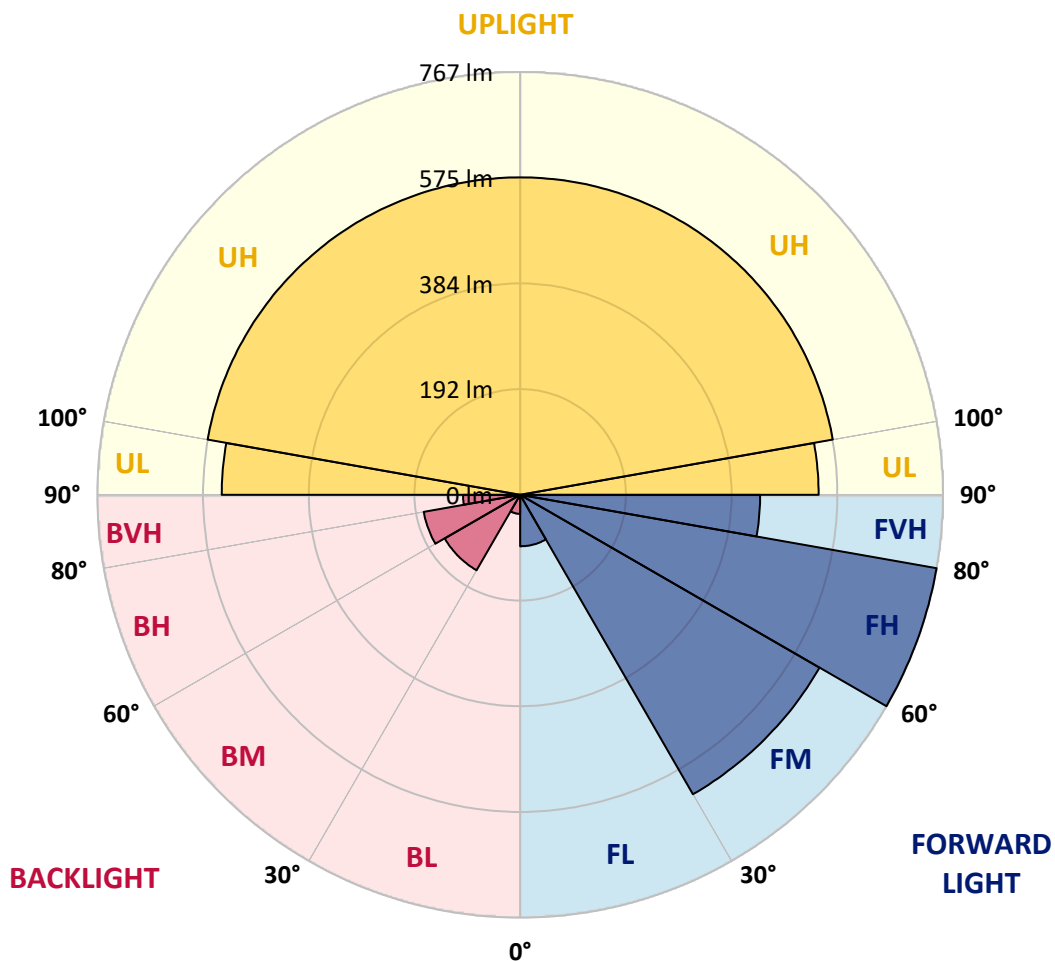
CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7030-HSS-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.4	1.9			
FM (30°-60°)	627.3	12.6			
FH (60°-80°)	767.3	15.5			G1/1800
FVH (80°-90°)	435.4	8.8			G3/500
BL (0°-30°)	34.6	0.7	B0/110		
BM (30°-60°)	158.1	3.2	B0/220		
BH (60°-80°)	177.7	3.6	B1/500		G1/500
BVH (80°-90°)	103.8	2.1			G2/225
UL (90°-100°)	541.6	10.9		U4/1000	
UH (100°-180°)	576.0	11.6		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°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2.5°	81.9	80.4	80.4	79.7	79.7	76.8	74.0	71.1	67.5	65.4	63.9
5°	103.4	101.3	100.5	98.4	96.2	91.2	87.6	81.9	76.8	70.4	67.5
7.5°	123.5	122.1	119.9	117.1	114.9	108.4	103.4	96.2	89.8	82.6	79.7
10°	143.6	142.2	140.0	137.2	132.9	127.8	122.1	113.5	105.6	97.0	92.6
12.5°	163.0	162.3	160.9	158.0	154.4	148.7	142.2	132.9	123.5	112.0	106.3
15°	186.7	185.3	183.8	181.0	177.4	170.9	163.7	154.4	142.2	129.3	122.8
17.5°	210.4	209.0	209.0	206.8	202.5	196.8	188.9	177.4	162.3	146.5	137.9
20°	237.0	235.6	235.6	233.4	229.1	223.3	214.7	202.5	186.0	165.2	155.1
22.5°	267.2	265.7	265.7	263.6	259.3	253.5	244.2	230.5	211.1	188.9	175.2
25°	300.2	298.0	298.0	295.9	291.6	285.8	276.5	260.7	238.4	213.3	197.5
27.5°	332.5	332.5	331.1	331.1	326.8	321.0	311.0	293.7	268.6	238.4	219.8
30°	370.6	370.6	368.4	367.7	362.7	357.6	346.1	327.5	300.2	264.3	242.0
32.5°	407.9	407.9	405.8	405.0	399.3	394.3	382.1	361.9	331.1	289.4	265.0
35°	446.0	444.5	443.1	442.4	437.4	430.9	418.7	395.7	361.2	314.5	287.3
37.5°	482.6	482.6	481.2	479.0	474.7	466.8	452.4	428.0	391.4	339.7	308.1
40°	519.2	519.9	518.5	516.3	509.2	502.7	487.6	461.1	420.8	363.4	328.9
42.5°	558.0	555.8	553.7	551.5	544.4	536.5	520.7	492.7	448.8	386.4	348.3
45°	591.8	590.3	588.2	585.3	578.8	568.8	553.0	522.1	475.4	407.2	367.0
47.5°	623.4	622.6	619.0	615.5	609.7	598.9	581.7	550.1	500.6	428.0	383.5
50°	654.2	654.2	650.6	644.9	638.4	629.8	609.7	576.7	524.2	447.4	400.0
52.5°	683.0	682.2	677.2	670.8	665.0	655.7	636.3	601.8	546.5	465.4	414.4
55°	709.5	708.8	703.1	696.6	690.1	680.8	660.7	624.8	568.1	482.6	428.7
57.5°	733.9	733.2	727.5	719.6	713.1	703.8	683.0	645.6	587.4	498.4	442.4
60°	755.5	754.8	749.0	740.4	733.9	724.6	704.5	665.7	606.1	513.5	454.6
62.5°	777.0	775.6	769.1	760.5	752.6	744.0	723.9	685.1	624.1	527.8	466.1
65°	795.7	794.3	787.1	777.8	770.6	761.2	741.1	702.4	639.9	541.5	477.6
67.5°	812.2	810.8	803.6	793.6	786.4	777.0	757.6	718.2	654.2	553.7	487.6
70°	828.0	825.9	818.7	807.9	800.7	791.4	772.0	732.5	668.6	565.2	497.7
72.5°	840.2	838.8	830.9	820.1	812.2	804.3	784.9	745.4	680.8	576.0	507.0
75°	851.7	850.3	842.4	830.9	823.7	815.1	796.4	756.9	690.9	585.3	514.9
77.5°	860.3	858.9	851.0	839.5	832.3	823.7	805.0	766.3	699.5	593.2	521.4
80°	867.5	865.4	857.5	846.7	838.8	830.2	812.2	773.4	707.4	599.7	527.8
82.5°	871.8	870.4	863.2	852.4	844.5	835.2	817.3	779.2	712.4	605.4	532.1
85°	874.7	873.3	866.1	856.0	847.4	838.8	820.8	782.8	716.7	609.0	535.7
87.5°	875.4	874.7	868.2	858.2	849.6	840.2	822.3	784.9	719.6	611.9	537.9
90°	876.1	874.7	868.2	858.9	850.3	841.0	823.0	786.4	720.3	612.6	539.3
92.5°	874.0	873.3	867.5	858.2	850.3	839.5	821.6	785.7	720.3	613.3	540.0
95°	871.1	869.7	865.4	856.0	847.4	837.4	818.7	783.5	718.9	612.6	539.3
97.5°	866.1	865.4	861.1	851.7	843.8	833.1	814.4	779.2	715.3	609.7	537.9
100°	858.9	858.2	853.9	845.3	836.6	826.6	807.9	772.7	709.5	605.4	534.3
102.5°	851.7	850.3	846.0	837.4	829.5	819.4	800.7	766.3	703.1	600.4	530.7
105°	841.0	839.5	835.9	828.0	819.4	809.4	790.7	756.9	693.7	593.9	525.0
107.5°	829.5	828.0	824.4	816.5	807.9	798.6	780.6	746.9	684.4	586.7	519.2
110°	816.5	813.7	810.8	802.9	795.0	786.4	768.4	735.4	675.1	578.1	512.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	801.5	800.0	796.4	789.2	780.6	772.7	754.8	722.5	662.1	568.8	506.3
115°	784.9	783.5	779.9	772.7	765.5	757.6	741.1	707.4	649.9	559.4	499.1
117.5°	767.7	766.3	762.0	755.5	749.0	741.8	724.6	693.0	636.3	548.7	491.2
120°	749.0	747.6	744.0	738.3	731.8	724.6	708.1	676.5	621.9	537.9	482.6
122.5°	728.9	728.2	724.6	718.2	712.4	706.7	690.9	660.0	606.8	525.7	474.0
125°	708.1	706.7	703.1	697.3	693.0	686.6	670.8	640.6	590.3	512.8	463.9
127.5°	685.1	684.4	680.8	675.8	671.5	665.7	649.9	621.2	572.4	499.1	453.2
130°	660.7	660.7	655.7	652.8	649.2	642.7	627.7	599.7	553.0	483.3	440.9
132.5°	635.6	634.8	632.0	627.7	624.8	618.3	604.0	576.7	532.1	467.5	428.0
135°	609.7	609.0	604.7	601.8	599.7	593.2	578.1	552.3	510.6	450.3	413.7
137.5°	582.4	582.4	578.1	576.0	573.1	565.9	551.5	526.4	487.6	431.6	397.9
140°	553.0	553.0	550.1	546.5	544.4	536.5	522.8	498.4	462.5	410.8	380.6
142.5°	524.2	524.2	521.4	517.8	514.9	507.0	493.4	470.4	437.4	390.7	363.4
145°	496.2	496.2	494.1	490.5	486.9	479.0	465.4	443.1	412.9	369.8	346.1
147.5°	468.2	468.2	466.1	462.5	458.9	451.0	437.4	416.5	388.5	350.5	328.2
150°	440.2	440.2	437.4	433.8	430.9	422.3	409.3	389.2	364.1	328.9	309.5
152.5°	411.5	411.5	408.6	405.8	401.4	393.5	380.6	363.4	339.0	308.1	290.9
155°	382.1	380.6	379.2	376.3	372.0	364.1	351.9	336.1	313.8	287.3	272.2
157.5°	353.3	351.9	349.7	347.6	343.3	336.1	324.6	309.5	290.1	267.2	254.2
160°	322.4	323.9	321.7	319.6	315.3	307.4	297.3	284.4	267.2	247.0	236.3
162.5°	293.7	294.4	293.0	290.9	287.3	279.4	270.7	259.3	244.2	226.9	217.6
165°	266.4	267.2	265.7	263.6	260.0	252.8	245.6	234.8	221.9	208.3	200.4
167.5°	242.0	243.5	240.6	238.4	235.6	229.1	222.6	214.0	202.5	191.7	185.3
170°	218.3	220.5	217.6	216.2	213.3	208.3	201.8	195.3	186.0	176.7	170.9
172.5°	197.5	198.9	196.8	195.3	192.5	188.2	183.8	178.1	170.9	163.7	160.1
175°	178.1	178.1	177.4	174.5	173.8	170.9	167.3	163.7	160.1	155.1	152.2
177.5°	160.1	160.1	160.1	159.4	158.7	157.3	155.8	153.7	151.5	149.4	147.9
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2.5°	62.5	58.2	54.6	51.0	47.4	45.2	41.7	40.9	40.2	39.5
5°	64.6	58.9	52.4	47.4	42.4	37.3	33.8	31.6	30.2	30.2
7.5°	75.4	68.9	61.0	53.9	48.1	42.4	38.1	34.5	32.3	31.6
10°	87.6	79.0	69.7	61.0	54.6	48.1	42.4	38.8	37.3	37.3
12.5°	101.3	90.5	79.0	68.2	60.3	52.4	46.7	43.8	42.4	42.4
15°	114.9	101.3	87.6	74.7	64.6	56.7	51.0	47.4	46.0	46.0
17.5°	129.3	112.7	95.5	80.4	68.9	59.6	53.1	48.8	46.7	46.7
20°	144.3	123.5	103.4	85.5	71.8	61.0	53.9	48.8	46.7	46.0
22.5°	161.6	135.7	112.0	91.2	75.4	63.2	54.6	49.6	46.7	46.7
25°	181.0	148.7	120.6	96.2	78.3	64.6	55.3	49.6	47.4	46.7
27.5°	201.1	162.3	129.3	102.0	81.2	66.8	56.7	51.0	48.1	48.1
30°	221.2	175.9	137.2	106.3	84.0	68.2	58.2	52.4	49.6	48.8
32.5°	240.6	189.6	144.3	110.6	86.9	70.4	59.6	53.9	51.0	51.0
35°	257.8	200.4	150.8	113.5	89.1	72.5	61.8	55.3	52.4	52.4
37.5°	275.8	211.1	155.8	116.3	90.5	74.0	63.2	57.5	54.6	54.6
40°	292.3	220.5	160.1	118.5	91.9	75.4	65.4	59.6	56.7	56.7
42.5°	308.1	229.1	163.7	120.6	94.1	77.6	67.5	61.8	59.6	59.6
45°	322.4	235.6	166.6	122.1	95.5	79.7	70.4	64.6	62.5	61.8
47.5°	335.4	242.0	168.8	123.5	97.0	81.2	72.5	67.5	64.6	64.6
50°	347.6	247.8	170.9	124.2	98.4	83.3	75.4	70.4	68.2	68.2
52.5°	359.1	252.8	172.4	125.7	99.8	85.5	77.6	73.3	71.1	71.1
55°	369.8	257.8	175.2	127.1	102.0	88.3	80.4	76.1	74.0	74.0
57.5°	379.9	262.1	177.4	128.5	103.4	91.2	84.0	79.7	77.6	77.6
60°	389.2	265.7	178.8	130.0	105.6	94.1	86.9	82.6	80.4	80.4
62.5°	398.6	270.0	180.3	132.1	108.4	97.0	90.5	86.2	84.0	84.0
65°	407.2	273.6	182.4	134.3	110.6	99.8	93.4	89.8	87.6	86.9
67.5°	414.4	276.5	184.6	136.4	113.5	102.7	97.0	93.4	90.5	90.5
70°	421.6	280.1	187.4	138.6	116.3	106.3	99.8	96.2	94.1	93.4
72.5°	428.7	283.7	189.6	140.8	119.2	109.2	103.4	99.1	97.0	97.0
75°	435.2	286.5	192.5	143.6	122.1	112.7	106.3	102.7	99.8	99.8
77.5°	440.2	289.4	194.6	145.8	125.0	114.9	109.2	105.6	102.7	102.7
80°	444.5	291.6	196.8	148.7	127.8	117.8	112.0	107.7	105.6	104.8
82.5°	448.8	293.7	198.2	150.8	130.0	120.6	114.2	110.6	107.7	107.0
85°	451.0	295.9	200.4	153.0	132.1	122.8	116.3	112.0	109.9	109.2
87.5°	453.2	297.3	201.8	154.4	134.3	124.2	118.5	114.2	111.3	110.6
90°	454.6	298.8	203.2	156.6	135.7	126.4	119.9	114.9	112.0	112.0
92.5°	455.3	299.5	204.7	157.3	137.2	127.1	120.6	115.6	112.7	112.7
95°	455.3	300.2	206.1	158.7	138.6	127.8	121.4	116.3	113.5	112.7
97.5°	454.6	300.9	206.8	160.1	139.3	127.8	121.4	116.3	113.5	112.7
100°	452.4	300.2	208.3	160.9	139.3	127.8	120.6	115.6	112.7	112.0
102.5°	450.3	300.9	209.7	162.3	140.0	127.8	119.9	114.9	112.0	111.3
105°	446.7	301.6	211.1	163.0	140.0	127.1	119.2	113.5	110.6	109.9
107.5°	443.1	301.6	212.6	163.7	140.0	126.4	117.8	112.0	109.2	108.4
110°	439.5	303.1	214.7	165.9	140.0	125.7	116.3	110.6	107.0	107.0



REPORT NUMBER: P256801

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	435.9	303.8	217.6	167.3	140.8	124.2	114.2	108.4	104.8	104.8
115°	431.6	305.2	220.5	168.8	140.8	123.5	112.7	106.3	102.7	102.7
117.5°	427.3	306.7	222.6	170.9	141.5	122.8	111.3	104.1	100.5	100.5
120°	422.3	308.1	225.5	173.1	142.2	122.1	109.9	102.0	99.1	98.4
122.5°	417.2	308.1	228.4	176.7	142.9	121.4	108.4	100.5	97.0	96.2
125°	410.8	308.1	230.5	178.1	143.6	121.4	107.0	98.4	94.8	94.1
127.5°	403.6	307.4	232.7	179.5	143.6	120.6	105.6	97.0	92.6	92.6
130°	395.0	305.2	233.4	181.0	144.3	119.9	104.8	95.5	91.2	90.5
132.5°	386.4	302.3	233.4	182.4	145.1	119.9	103.4	94.1	89.8	89.1
135°	374.2	297.3	232.0	182.4	145.1	119.9	102.7	93.4	88.3	88.3
137.5°	361.9	291.6	229.8	181.0	145.1	119.2	102.7	92.6	87.6	86.9
140°	348.3	283.7	226.2	180.3	144.3	119.2	102.0	91.9	86.9	86.2
142.5°	333.9	275.8	222.6	178.8	144.3	119.2	102.0	91.9	86.9	86.2
145°	319.6	267.2	218.3	176.7	142.9	119.2	102.0	91.9	86.9	86.2
147.5°	304.5	257.8	213.3	173.1	142.2	119.2	102.7	91.9	87.6	86.9
150°	288.7	246.3	206.8	169.5	140.8	118.5	102.7	92.6	88.3	87.6
152.5°	272.9	234.8	198.9	165.2	139.3	118.5	103.4	94.1	89.8	89.1
155°	255.7	223.3	191.7	161.6	137.9	119.2	105.6	96.2	92.6	91.9
157.5°	239.9	211.9	184.6	158.0	137.2	119.9	107.7	99.1	95.5	94.8
160°	224.1	200.4	176.7	154.4	135.7	120.6	109.2	102.0	98.4	98.4
162.5°	208.3	188.2	167.3	149.4	133.6	120.6	111.3	104.8	101.3	101.3
165°	192.5	175.2	159.4	144.3	131.4	121.4	112.7	107.7	104.8	104.1
167.5°	178.8	165.2	152.2	140.8	130.0	122.1	114.9	110.6	108.4	108.4
170°	165.9	156.6	146.5	137.9	130.0	123.5	117.8	114.9	112.7	112.7
172.5°	156.6	150.1	142.9	136.4	130.7	125.7	122.1	119.9	118.5	117.8
175°	150.1	145.8	140.8	137.2	133.6	130.0	127.8	127.1	126.4	126.4
177.5°	147.2	144.3	142.2	140.0	138.6	137.2	136.4	135.7	135.7	135.0
180°	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2	147.2

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