

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: P256800

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256800
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-7027-HSS-BK
Description: UTILITY LIGHT ACORN ASYMMETRIC W/ HSS
Light Source: (60) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4711.3 lumens
Efficiency: N/A
Efficacy: 103.5 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



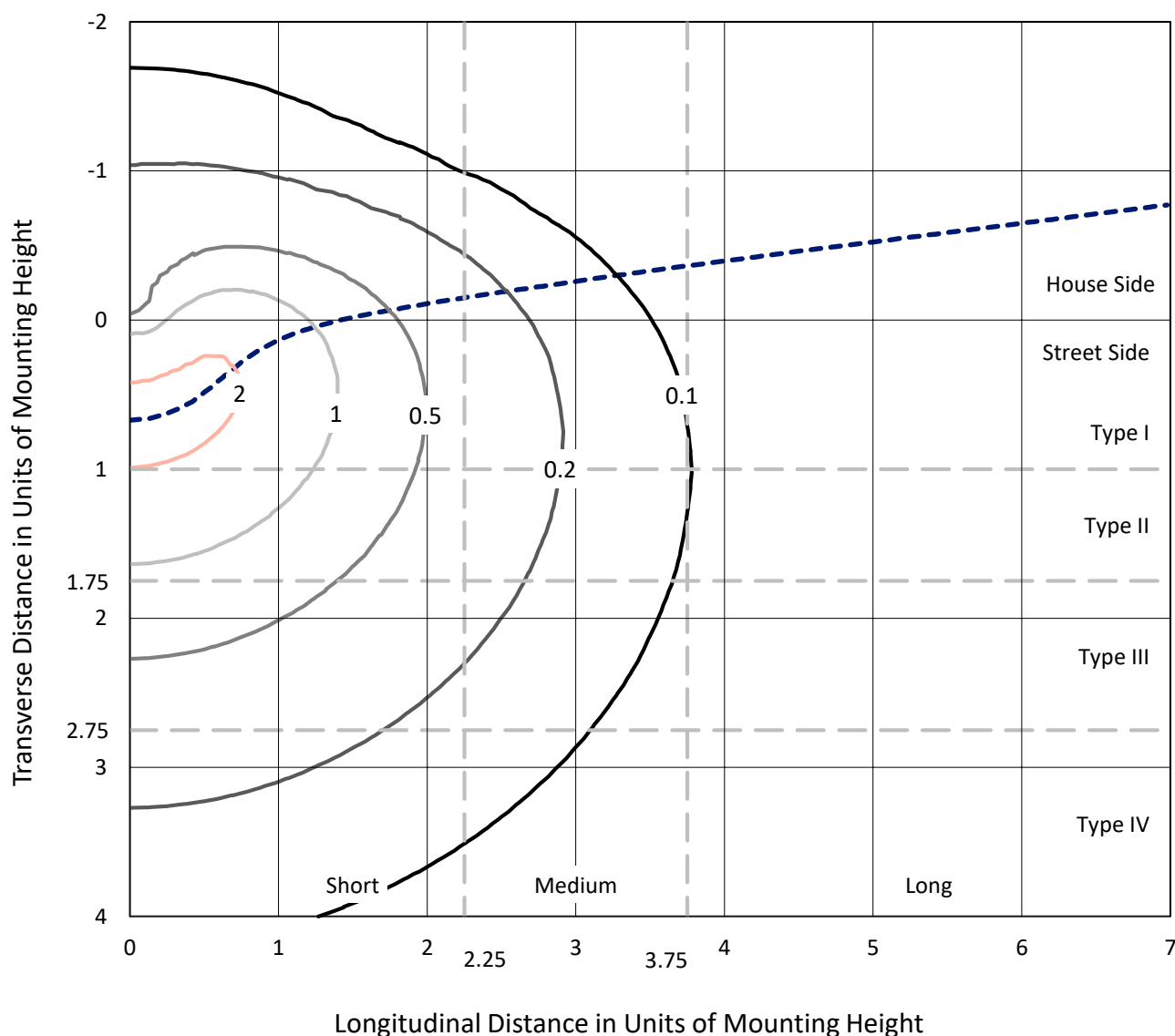
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

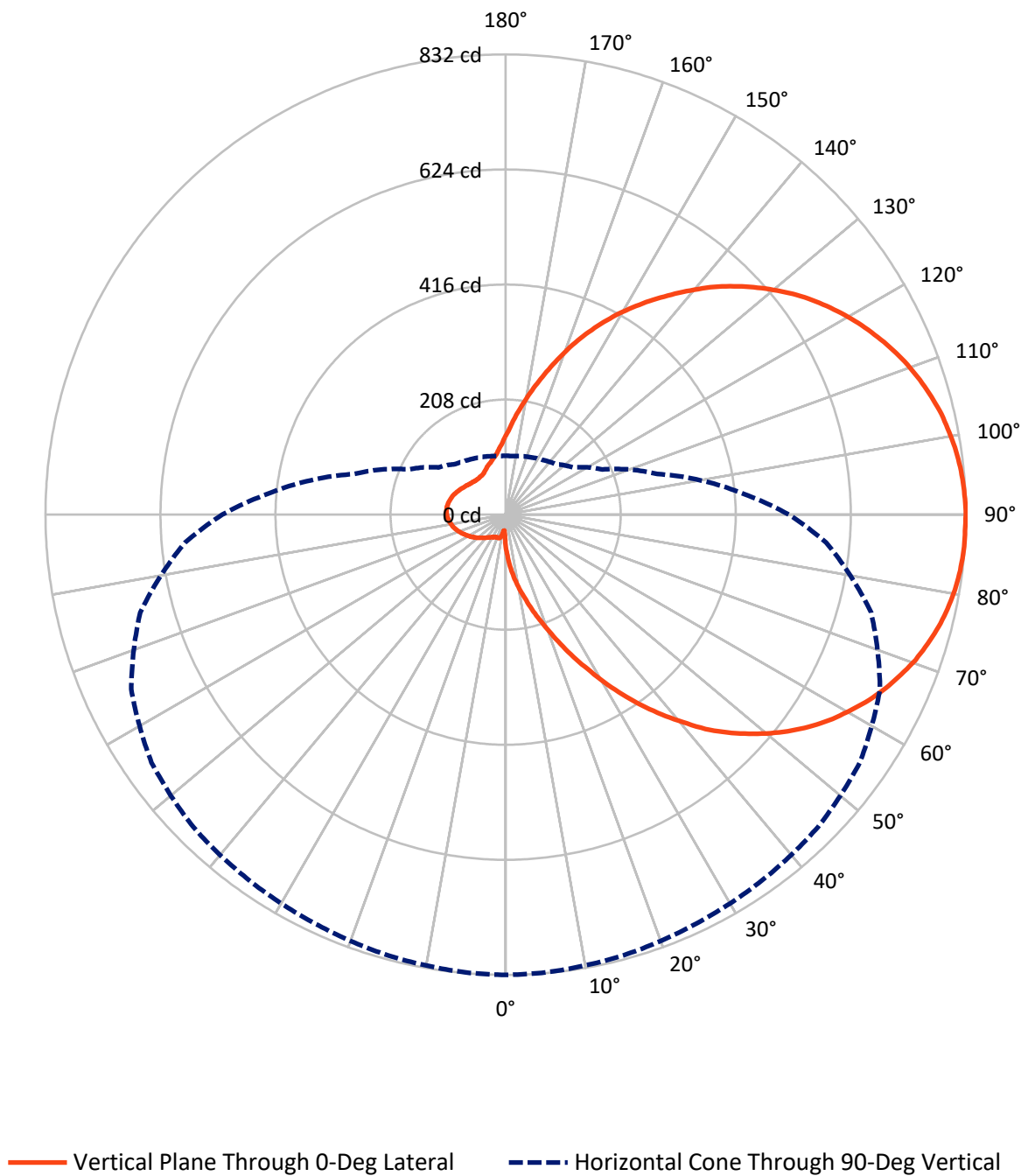


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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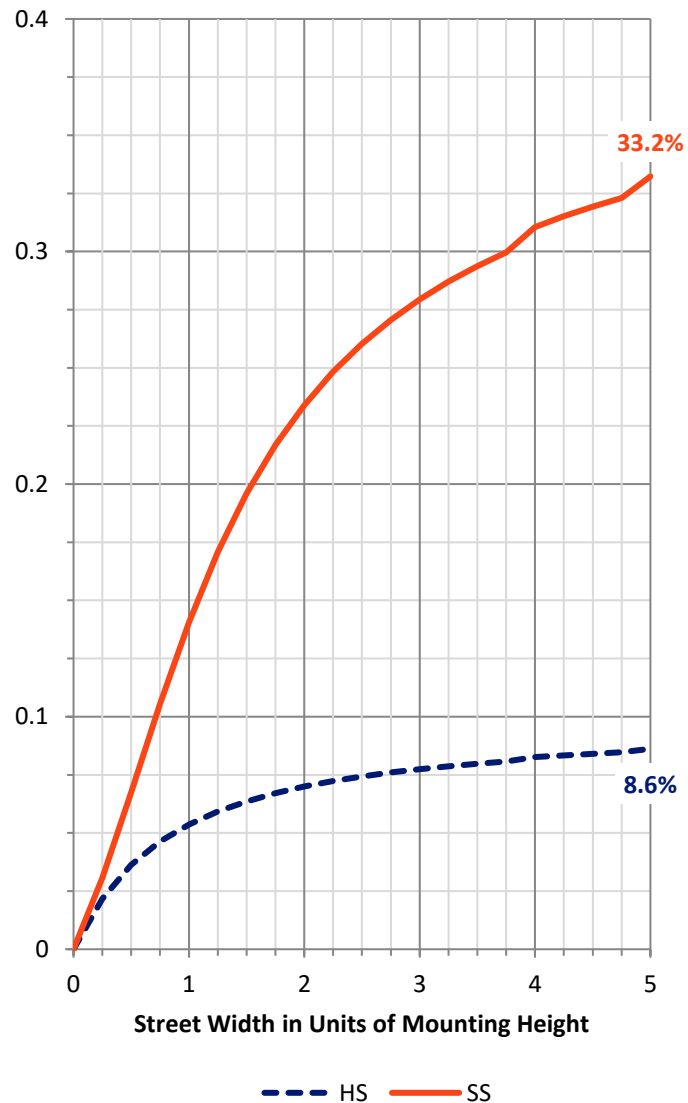
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	450.5	547.2	997.7
	% Fixture	9.6	11.6	21.2
Street Side	Lumens	1827.2	1886.4	3713.6
	% Fixture	38.8	40.0	78.8
Total	Lumens	2277.7	2433.6	4711.3
	% Fixture	48.3	51.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	32.8	0.7
20°-30°	82.0	1.7
30°-40°	158.0	3.4
40°-50°	248.9	5.3
50°-60°	339.2	7.2
60°-70°	418.6	8.9
70°-80°	479.1	10.2
80°-90°	512.2	10.9
90°-100°	514.5	10.9
100°-110°	485.5	10.3
110°-120°	431.1	9.1
120°-130°	359.5	7.6
130°-140°	275.4	5.8
140°-150°	188.4	4.0
150°-160°	112.0	2.4
160°-170°	53.0	1.1
170°-180°	14.3	0.3
0°-90°	2277.7	48.3
0°-180°	4711.3	100.0

Coefficient of Utilization



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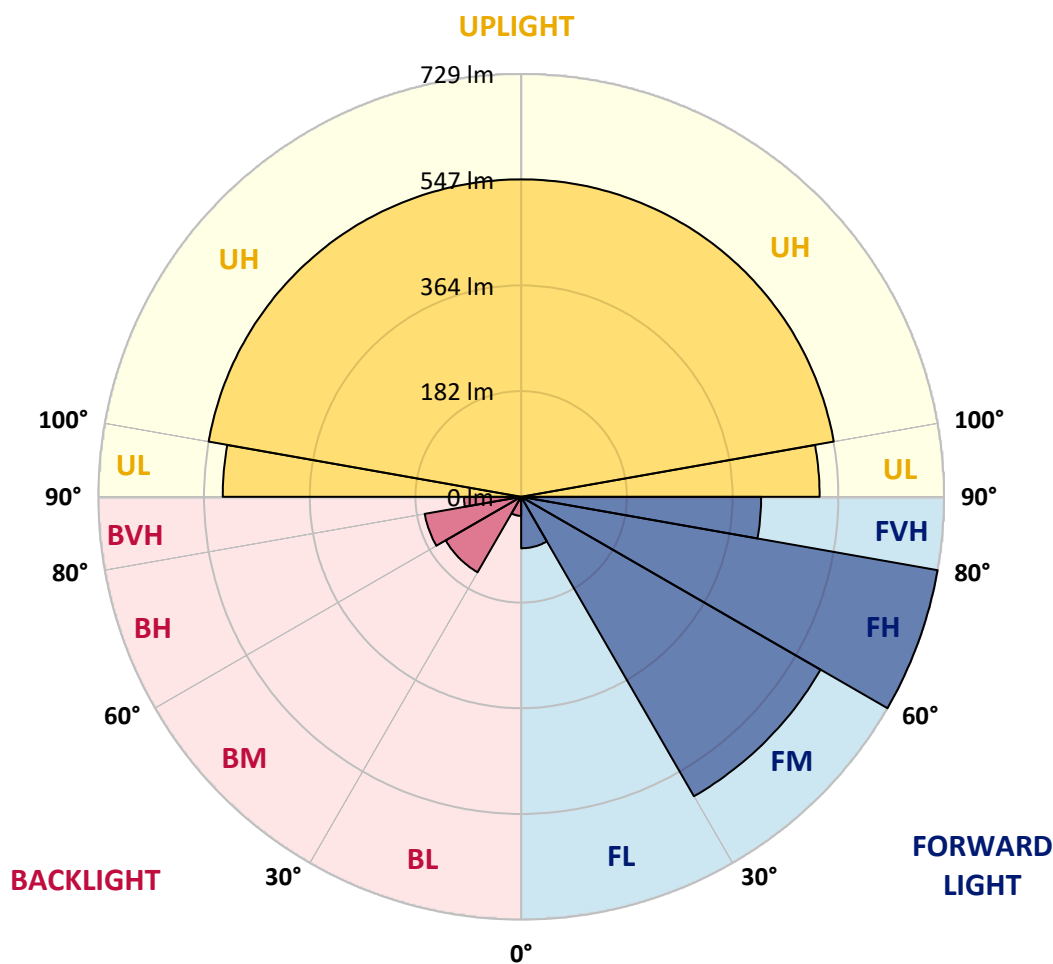
CATALOG NUMBER: ULA-A6-D-U-ASYM-VMx-7027-HSS-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.7	1.9			
FM	(30°-60°)	596.0	12.6			
FH	(60°-80°)	728.9	15.5			G1/1800
FVH	(80°-90°)	413.6	8.8			G3/500
BL	(0°-30°)	32.9	0.7	B0/110		
BM	(30°-60°)	150.2	3.2	B0/220		
BH	(60°-80°)	168.8	3.6	B1/500		G1/500
BVH	(80°-90°)	98.6	2.1			G1/100
UL	(90°-100°)	514.5	10.9		U4/1000	
UH	(100°-180°)	547.2	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°	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
2.5°	77.8	76.4	76.4	75.7	75.7	73.0	70.3	67.5	64.1	62.1	60.7
5°	98.2	96.2	95.5	93.5	91.4	86.6	83.2	77.8	73.0	66.9	64.1
7.5°	117.3	116.0	113.9	111.2	109.2	103.0	98.2	91.4	85.3	78.5	75.7
10°	136.4	135.1	133.0	130.3	126.2	121.4	116.0	107.8	100.3	92.1	88.0
12.5°	154.9	154.2	152.8	150.1	146.7	141.2	135.1	126.2	117.3	106.4	101.0
15°	177.4	176.0	174.7	171.9	168.5	162.4	155.6	146.7	135.1	122.8	116.7
17.5°	199.9	198.5	198.5	196.5	192.4	186.9	179.4	168.5	154.2	139.2	131.0
20°	225.1	223.8	223.8	221.7	217.6	212.2	204.0	192.4	176.7	156.9	147.4
22.5°	253.8	252.4	252.4	250.4	246.3	240.8	232.0	219.0	200.6	179.4	166.5
25°	285.2	283.1	283.1	281.1	277.0	271.5	262.7	247.7	226.5	202.6	187.6
27.5°	315.9	315.9	314.5	314.5	310.4	305.0	295.4	279.0	255.2	226.5	208.8
30°	352.0	352.0	350.0	349.3	344.5	339.8	328.8	311.1	285.2	251.1	229.9
32.5°	387.5	387.5	385.5	384.8	379.3	374.5	363.0	343.8	314.5	274.9	251.7
35°	423.7	422.3	420.9	420.3	415.5	409.3	397.7	375.9	343.2	298.8	272.9
37.5°	458.5	458.5	457.1	455.1	451.0	443.5	429.8	406.6	371.8	322.7	292.7
40°	493.3	493.9	492.6	490.5	483.7	477.6	463.2	438.0	399.8	345.2	312.5
42.5°	530.1	528.1	526.0	524.0	517.1	509.6	494.6	468.0	426.4	367.0	330.9
45°	562.2	560.8	558.8	556.0	549.9	540.3	525.3	496.0	451.6	386.8	348.6
47.5°	592.2	591.5	588.1	584.7	579.2	569.0	552.6	522.6	475.5	406.6	364.3
50°	621.5	621.5	618.1	612.6	606.5	598.3	579.2	547.8	498.0	425.0	380.0
52.5°	648.8	648.1	643.3	637.2	631.8	622.9	604.5	571.7	519.2	442.1	393.7
55°	674.1	673.4	667.9	661.8	655.6	646.8	627.7	593.5	539.6	458.5	407.3
57.5°	697.2	696.6	691.1	683.6	677.5	668.6	648.8	613.3	558.1	473.5	420.3
60°	717.7	717.0	711.6	703.4	697.2	688.4	669.3	632.4	575.8	487.8	431.9
62.5°	738.2	736.8	730.7	722.5	715.0	706.8	687.7	650.9	592.9	501.4	442.8
65°	755.9	754.6	747.7	738.9	732.0	723.2	704.1	667.2	607.9	514.4	453.7
67.5°	771.6	770.2	763.4	753.9	747.1	738.2	719.8	682.2	621.5	526.0	463.2
70°	786.6	784.6	777.8	767.5	760.7	751.8	733.4	695.9	635.2	536.9	472.8
72.5°	798.2	796.9	789.3	779.1	771.6	764.1	745.7	708.2	646.8	547.2	481.7
75°	809.1	807.8	800.3	789.3	782.5	774.3	756.6	719.1	656.3	556.0	489.2
77.5°	817.3	816.0	808.5	797.5	790.7	782.5	764.8	727.9	664.5	563.5	495.3
80°	824.1	822.1	814.6	804.4	796.9	788.7	771.6	734.8	672.0	569.7	501.4
82.5°	828.2	826.9	820.0	809.8	802.3	793.4	776.4	740.2	676.8	575.1	505.5
85°	831.0	829.6	822.8	813.2	805.0	796.9	779.8	743.6	680.9	578.5	508.9
87.5°	831.6	831.0	824.8	815.3	807.1	798.2	781.2	745.7	683.6	581.3	511.0
90°	832.3	831.0	824.8	816.0	807.8	798.9	781.8	747.1	684.3	581.9	512.4
92.5°	830.3	829.6	824.1	815.3	807.8	797.5	780.5	746.4	684.3	582.6	513.0
95°	827.6	826.2	822.1	813.2	805.0	795.5	777.8	744.3	682.9	581.9	512.4
97.5°	822.8	822.1	818.0	809.1	801.6	791.4	773.7	740.2	679.5	579.2	511.0
100°	816.0	815.3	811.2	803.0	794.8	785.3	767.5	734.1	674.1	575.1	507.6
102.5°	809.1	807.8	803.7	795.5	788.0	778.4	760.7	727.9	667.9	570.4	504.2
105°	798.9	797.5	794.1	786.6	778.4	768.9	751.1	719.1	659.0	564.2	498.7
107.5°	788.0	786.6	783.2	775.7	767.5	758.6	741.6	709.5	650.2	557.4	493.3
110°	775.7	773.0	770.2	762.7	755.2	747.1	730.0	698.6	641.3	549.2	487.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	761.4	760.0	756.6	749.8	741.6	734.1	717.0	686.3	629.0	540.3	481.0
115°	745.7	744.3	740.9	734.1	727.3	719.8	704.1	672.0	617.4	531.5	474.2
117.5°	729.3	727.9	723.9	717.7	711.6	704.8	688.4	658.4	604.5	521.2	466.7
120°	711.6	710.2	706.8	701.3	695.2	688.4	672.7	642.7	590.8	511.0	458.5
122.5°	692.5	691.8	688.4	682.2	676.8	671.3	656.3	627.0	576.5	499.4	450.3
125°	672.7	671.3	667.9	662.5	658.4	652.2	637.2	608.6	560.8	487.1	440.7
127.5°	650.9	650.2	646.8	642.0	637.9	632.4	617.4	590.1	543.7	474.2	430.5
130°	627.7	627.7	622.9	620.2	616.7	610.6	596.3	569.7	525.3	459.1	418.9
132.5°	603.8	603.1	600.4	596.3	593.5	587.4	573.8	547.8	505.5	444.1	406.6
135°	579.2	578.5	574.4	571.7	569.7	563.5	549.2	524.6	485.1	427.8	393.0
137.5°	553.3	553.3	549.2	547.2	544.4	537.6	524.0	500.1	463.2	410.0	378.0
140°	525.3	525.3	522.6	519.2	517.1	509.6	496.7	473.5	439.4	390.2	361.6
142.5°	498.0	498.0	495.3	491.9	489.2	481.7	468.7	446.9	415.5	371.1	345.2
145°	471.4	471.4	469.4	466.0	462.6	455.1	442.1	420.9	392.3	351.4	328.8
147.5°	444.8	444.8	442.8	439.4	435.9	428.4	415.5	395.7	369.1	332.9	311.8
150°	418.2	418.2	415.5	412.1	409.3	401.2	388.9	369.8	345.9	312.5	294.0
152.5°	390.9	390.9	388.2	385.5	381.4	373.9	361.6	345.2	322.0	292.7	276.3
155°	363.0	361.6	360.2	357.5	353.4	345.9	334.3	319.3	298.1	272.9	258.6
157.5°	335.7	334.3	332.2	330.2	326.1	319.3	308.4	294.0	275.6	253.8	241.5
160°	306.3	307.7	305.6	303.6	299.5	292.0	282.4	270.2	253.8	234.7	224.5
162.5°	279.0	279.7	278.4	276.3	272.9	265.4	257.2	246.3	232.0	215.6	206.7
165°	253.1	253.8	252.4	250.4	247.0	240.1	233.3	223.1	210.8	197.8	190.3
167.5°	229.9	231.3	228.5	226.5	223.8	217.6	211.5	203.3	192.4	182.2	176.0
170°	207.4	209.4	206.7	205.4	202.6	197.8	191.7	185.6	176.7	167.8	162.4
172.5°	187.6	189.0	186.9	185.6	182.8	178.7	174.7	169.2	162.4	155.6	152.1
175°	169.2	169.2	168.5	165.8	165.1	162.4	159.0	155.6	152.1	147.4	144.6
177.5°	152.1	152.1	152.1	151.5	150.8	149.4	148.0	146.0	144.0	141.9	140.5
180°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
2.5°	59.4	55.3	51.9	48.4	45.0	43.0	39.6	38.9	38.2	37.5
5°	61.4	55.9	49.8	45.0	40.3	35.5	32.1	30.0	28.7	28.7
7.5°	71.6	65.5	58.0	51.2	45.7	40.3	36.2	32.7	30.7	30.0
10°	83.2	75.0	66.2	58.0	51.9	45.7	40.3	36.8	35.5	35.5
12.5°	96.2	86.0	75.0	64.8	57.3	49.8	44.3	41.6	40.3	40.3
15°	109.2	96.2	83.2	71.0	61.4	53.9	48.4	45.0	43.7	43.7
17.5°	122.8	107.1	90.7	76.4	65.5	56.6	50.5	46.4	44.3	44.3
20°	137.1	117.3	98.2	81.2	68.2	58.0	51.2	46.4	44.3	43.7
22.5°	153.5	128.9	106.4	86.6	71.6	60.0	51.9	47.1	44.3	44.3
25°	171.9	141.2	114.6	91.4	74.4	61.4	52.5	47.1	45.0	44.3
27.5°	191.0	154.2	122.8	96.9	77.1	63.4	53.9	48.4	45.7	45.7
30°	210.1	167.1	130.3	101.0	79.8	64.8	55.3	49.8	47.1	46.4
32.5°	228.5	180.1	137.1	105.1	82.6	66.9	56.6	51.2	48.4	48.4
35°	244.9	190.3	143.3	107.8	84.6	68.9	58.7	52.5	49.8	49.8
37.5°	262.0	200.6	148.0	110.5	86.0	70.3	60.0	54.6	51.9	51.9
40°	277.7	209.4	152.1	112.6	87.3	71.6	62.1	56.6	53.9	53.9
42.5°	292.7	217.6	155.6	114.6	89.4	73.7	64.1	58.7	56.6	56.6
45°	306.3	223.8	158.3	116.0	90.7	75.7	66.9	61.4	59.4	58.7
47.5°	318.6	229.9	160.3	117.3	92.1	77.1	68.9	64.1	61.4	61.4
50°	330.2	235.4	162.4	118.0	93.5	79.1	71.6	66.9	64.8	64.8
52.5°	341.1	240.1	163.7	119.4	94.8	81.2	73.7	69.6	67.5	67.5
55°	351.4	244.9	166.5	120.8	96.9	83.9	76.4	72.3	70.3	70.3
57.5°	360.9	249.0	168.5	122.1	98.2	86.6	79.8	75.7	73.7	73.7
60°	369.8	252.4	169.9	123.5	100.3	89.4	82.6	78.5	76.4	76.4
62.5°	378.6	256.5	171.2	125.5	103.0	92.1	86.0	81.9	79.8	79.8
65°	386.8	259.9	173.3	127.6	105.1	94.8	88.7	85.3	83.2	82.6
67.5°	393.7	262.7	175.3	129.6	107.8	97.6	92.1	88.7	86.0	86.0
70°	400.5	266.1	178.1	131.7	110.5	101.0	94.8	91.4	89.4	88.7
72.5°	407.3	269.5	180.1	133.7	113.3	103.7	98.2	94.1	92.1	92.1
75°	413.4	272.2	182.8	136.4	116.0	107.1	101.0	97.6	94.8	94.8
77.5°	418.2	274.9	184.9	138.5	118.7	109.2	103.7	100.3	97.6	97.6
80°	422.3	277.0	186.9	141.2	121.4	111.9	106.4	102.3	100.3	99.6
82.5°	426.4	279.0	188.3	143.3	123.5	114.6	108.5	105.1	102.3	101.7
85°	428.4	281.1	190.3	145.3	125.5	116.7	110.5	106.4	104.4	103.7
87.5°	430.5	282.4	191.7	146.7	127.6	118.0	112.6	108.5	105.7	105.1
90°	431.9	283.8	193.1	148.7	128.9	120.1	113.9	109.2	106.4	106.4
92.5°	432.5	284.5	194.4	149.4	130.3	120.8	114.6	109.8	107.1	107.1
95°	432.5	285.2	195.8	150.8	131.7	121.4	115.3	110.5	107.8	107.1
97.5°	431.9	285.9	196.5	152.1	132.4	121.4	115.3	110.5	107.8	107.1
100°	429.8	285.2	197.8	152.8	132.4	121.4	114.6	109.8	107.1	106.4
102.5°	427.8	285.9	199.2	154.2	133.0	121.4	113.9	109.2	106.4	105.7
105°	424.4	286.5	200.6	154.9	133.0	120.8	113.3	107.8	105.1	104.4
107.5°	420.9	286.5	201.9	155.6	133.0	120.1	111.9	106.4	103.7	103.0
110°	417.5	287.9	204.0	157.6	133.0	119.4	110.5	105.1	101.7	101.7



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	414.1	288.6	206.7	159.0	133.7	118.0	108.5	103.0	99.6	99.6
115°	410.0	290.0	209.4	160.3	133.7	117.3	107.1	101.0	97.6	97.6
117.5°	405.9	291.3	211.5	162.4	134.4	116.7	105.7	98.9	95.5	95.5
120°	401.2	292.7	214.2	164.4	135.1	116.0	104.4	96.9	94.1	93.5
122.5°	396.4	292.7	217.0	167.8	135.8	115.3	103.0	95.5	92.1	91.4
125°	390.2	292.7	219.0	169.2	136.4	115.3	101.7	93.5	90.1	89.4
127.5°	383.4	292.0	221.0	170.6	136.4	114.6	100.3	92.1	88.0	88.0
130°	375.2	290.0	221.7	171.9	137.1	113.9	99.6	90.7	86.6	86.0
132.5°	367.0	287.2	221.7	173.3	137.8	113.9	98.2	89.4	85.3	84.6
135°	355.4	282.4	220.4	173.3	137.8	113.9	97.6	88.7	83.9	83.9
137.5°	343.8	277.0	218.3	171.9	137.8	113.3	97.6	88.0	83.2	82.6
140°	330.9	269.5	214.9	171.2	137.1	113.3	96.9	87.3	82.6	81.9
142.5°	317.2	262.0	211.5	169.9	137.1	113.3	96.9	87.3	82.6	81.9
145°	303.6	253.8	207.4	167.8	135.8	113.3	96.9	87.3	82.6	81.9
147.5°	289.3	244.9	202.6	164.4	135.1	113.3	97.6	87.3	83.2	82.6
150°	274.3	234.0	196.5	161.0	133.7	112.6	97.6	88.0	83.9	83.2
152.5°	259.3	223.1	189.0	156.9	132.4	112.6	98.2	89.4	85.3	84.6
155°	242.9	212.2	182.2	153.5	131.0	113.3	100.3	91.4	88.0	87.3
157.5°	227.9	201.3	175.3	150.1	130.3	113.9	102.3	94.1	90.7	90.1
160°	212.9	190.3	167.8	146.7	128.9	114.6	103.7	96.9	93.5	93.5
162.5°	197.8	178.7	159.0	141.9	126.9	114.6	105.7	99.6	96.2	96.2
165°	182.8	166.5	151.5	137.1	124.8	115.3	107.1	102.3	99.6	98.9
167.5°	169.9	156.9	144.6	133.7	123.5	116.0	109.2	105.1	103.0	103.0
170°	157.6	148.7	139.2	131.0	123.5	117.3	111.9	109.2	107.1	107.1
172.5°	148.7	142.6	135.8	129.6	124.2	119.4	116.0	113.9	112.6	111.9
175°	142.6	138.5	133.7	130.3	126.9	123.5	121.4	120.8	120.1	120.1
177.5°	139.9	137.1	135.1	133.0	131.7	130.3	129.6	128.9	128.9	128.3
180°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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