

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: P256821

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-729-3)
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-SYM-VMx-7027-BK
Description: UTILITY LIGHT ACORN TYPE V SYMMETRIC
Light Source: (90) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5460.9 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U5 - G3

Input Watts (W): 44.4
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



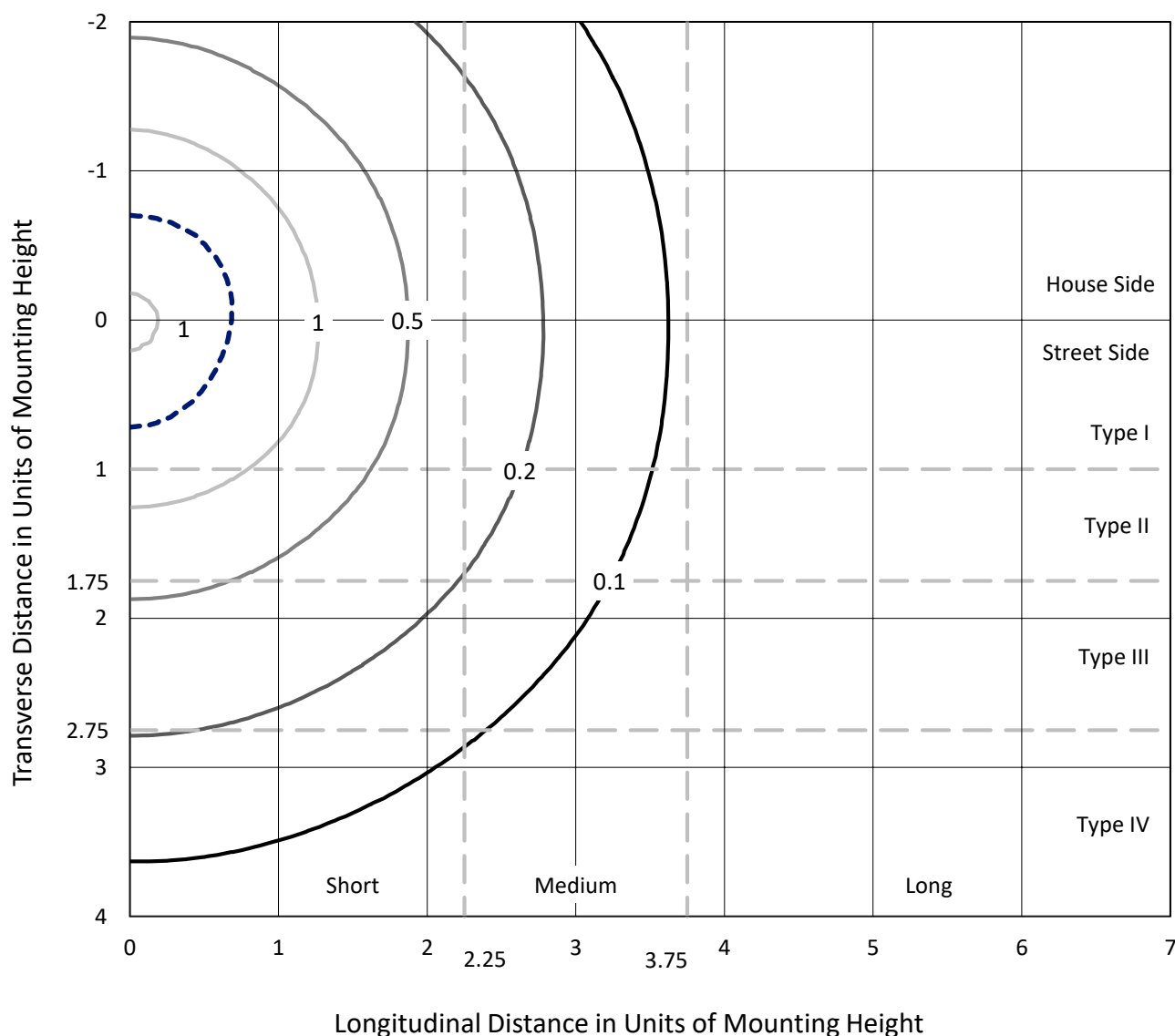
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

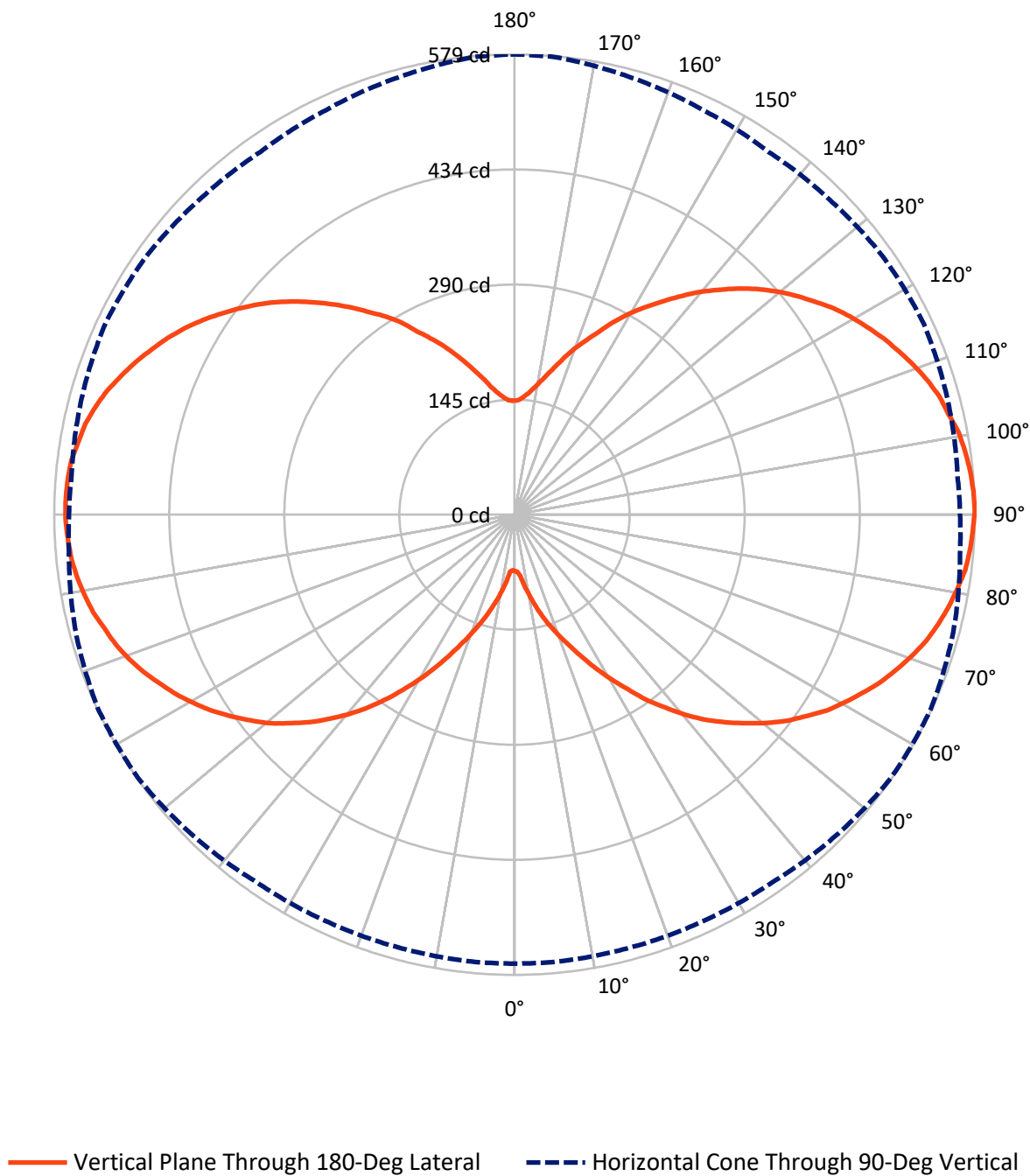


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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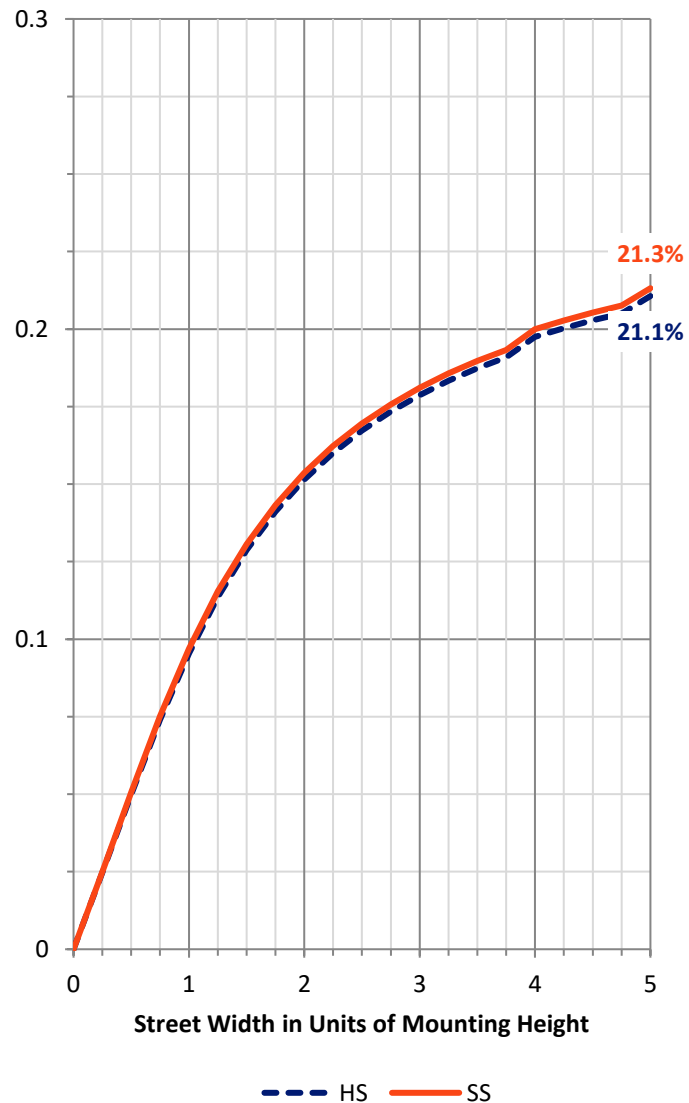
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1331.2	1384.5	2715.8
	% Fixture	24.4	25.4	49.7
Street Side	Lumens	1349.2	1395.9	2745.2
	% Fixture	24.7	25.6	50.3
Total	Lumens	2680.4	2780.5	5460.9
	% Fixture	49.1	50.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	38.0	0.7
20°-30°	93.7	1.7
30°-40°	181.5	3.3
40°-50°	288.2	5.3
50°-60°	396.0	7.3
60°-70°	492.8	9.0
70°-80°	569.2	10.4
80°-90°	612.9	11.2
90°-100°	615.8	11.3
100°-110°	575.3	10.5
110°-120°	499.9	9.2
120°-130°	405.0	7.4
130°-140°	300.7	5.5
140°-150°	199.7	3.7
150°-160°	115.3	2.1
160°-170°	54.0	1.0
170°-180°	14.6	0.3
0°-90°	2680.4	49.1
0°-180°	5460.9	100.0

Coefficient of Utilization



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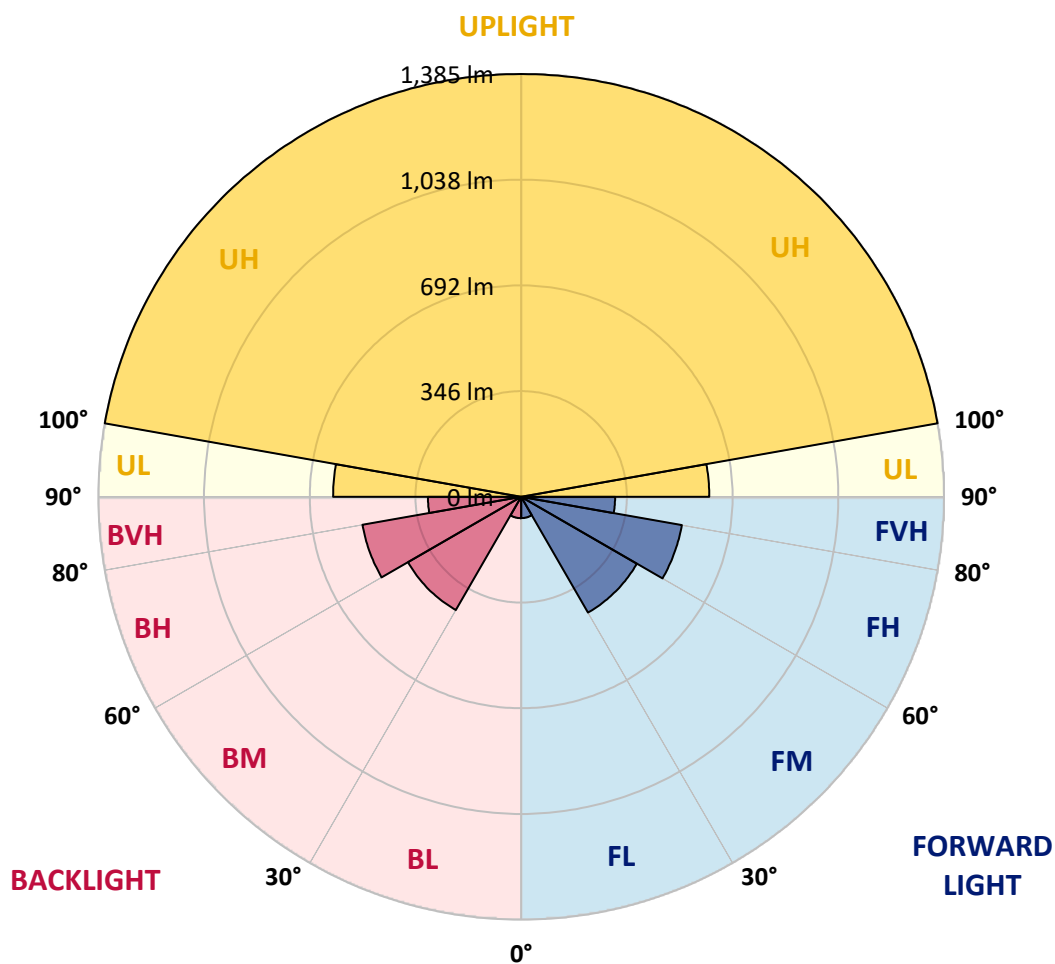
CATALOG NUMBER: ULA-A6-D-U-SYM-VMx-7027-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.7	1.3			
FM	(30°-60°)	437.6	8.0			
FH	(60°-80°)	534.3	9.8			G0/660
FVH	(80°-90°)	307.6	5.6			G3/500
BL	(0°-30°)	70.0	1.3	B0/110		
BM	(30°-60°)	428.1	7.8	B1/1000		
BH	(60°-80°)	527.7	9.7	B2/1000		G0/660
BVH	(80°-90°)	305.3	5.6			G3/500
UL	(90°-100°)	615.8	11.3		U4/1000	
UH	(100°-180°)	1384.5	25.4		U5	

BUG Rating: B2-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	69.9	69.9	69.9	68.8	68.8	68.8	68.8	68.8	68.8	69.9	69.9
5°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	73.2	74.3	74.3	75.4
7.5°	85.2	84.1	84.1	84.1	84.1	84.1	84.1	85.2	86.3	87.4	87.4
10°	98.3	97.2	97.2	98.3	98.3	99.4	98.3	100.5	100.5	101.6	102.7
12.5°	111.4	110.3	111.4	112.5	113.6	113.6	114.7	115.8	115.8	116.9	116.9
15°	125.6	124.6	125.6	126.7	127.8	128.9	130.0	131.1	132.2	132.2	131.1
17.5°	140.9	139.8	140.9	142.0	143.1	144.2	146.4	147.5	147.5	147.5	147.5
20°	156.2	155.1	156.2	158.4	159.5	160.6	163.9	165.0	163.9	163.9	162.8
22.5°	173.7	172.6	173.7	175.9	179.2	180.3	182.5	183.5	182.5	182.5	181.4
25°	192.3	192.3	193.4	195.6	198.8	201.0	204.3	205.4	203.2	203.2	202.1
27.5°	213.0	213.0	214.1	217.4	219.6	222.9	227.3	227.3	226.2	225.1	224.0
30°	234.9	233.8	236.0	239.3	242.5	245.8	250.2	252.4	251.3	248.0	245.8
32.5°	256.8	255.7	257.8	262.2	266.6	269.9	274.2	275.3	274.2	271.0	268.8
35°	279.7	280.8	281.9	285.2	290.6	293.9	298.3	299.4	297.2	295.0	291.7
37.5°	302.6	302.6	304.8	308.1	313.6	316.8	321.2	322.3	321.2	316.8	314.7
40°	324.5	324.5	326.7	330.0	334.3	338.7	343.1	345.2	342.0	338.7	335.4
42.5°	345.2	345.2	347.4	349.6	354.0	359.5	363.8	366.0	363.8	358.4	355.1
45°	366.0	366.0	368.2	370.4	374.7	379.1	384.6	385.7	382.4	376.9	374.7
47.5°	384.6	384.6	386.8	389.0	393.3	398.8	403.2	404.2	401.0	395.5	392.2
50°	404.2	403.2	405.3	407.5	411.9	417.4	421.7	421.7	418.4	411.9	408.6
52.5°	420.6	421.7	421.7	423.9	428.3	432.7	438.1	439.2	434.8	427.2	425.0
55°	437.0	438.1	438.1	439.2	443.6	449.0	455.6	454.5	450.1	443.6	439.2
57.5°	453.4	453.4	454.5	454.5	457.8	464.3	470.9	469.8	465.4	457.8	454.5
60°	467.6	467.6	467.6	469.8	472.0	477.4	484.0	485.1	478.5	470.9	467.6
62.5°	481.8	481.8	481.8	482.9	485.1	490.6	498.2	498.2	490.6	482.9	479.6
65°	493.8	494.9	494.9	494.9	498.2	504.8	510.2	510.2	504.8	494.9	492.7
67.5°	506.9	506.9	505.9	505.9	509.1	514.6	522.2	522.2	515.7	505.9	503.7
70°	517.9	517.9	516.8	516.8	520.1	526.6	534.3	533.2	525.5	517.9	514.6
72.5°	527.7	528.8	526.6	526.6	529.9	536.4	544.1	543.0	535.4	526.6	524.4
75°	535.4	537.5	535.4	534.3	537.5	544.1	551.7	551.7	544.1	534.3	532.1
77.5°	544.1	545.2	543.0	543.0	545.2	552.8	559.4	559.4	552.8	543.0	539.7
80°	550.6	551.7	550.6	549.6	551.7	558.3	565.9	565.9	559.4	549.6	546.3
82.5°	556.1	556.1	555.0	555.0	557.2	563.8	570.3	570.3	563.8	555.0	552.8
85°	560.5	561.6	560.5	559.4	561.6	568.1	574.7	574.7	568.1	558.3	556.1
87.5°	562.7	563.8	562.7	562.7	563.8	570.3	576.9	575.8	570.3	560.5	558.3
90°	564.9	564.9	563.8	563.8	564.9	571.4	578.0	578.0	571.4	562.7	560.5
92.5°	564.9	565.9	564.9	564.9	565.9	570.3	576.9	578.0	571.4	562.7	560.5
95°	563.8	563.8	563.8	562.7	563.8	569.2	575.8	575.8	570.3	560.5	558.3
97.5°	561.6	561.6	560.5	560.5	561.6	567.0	572.5	572.5	567.0	558.3	556.1
100°	556.1	557.2	557.2	556.1	557.2	561.6	568.1	568.1	561.6	553.9	551.7
102.5°	551.7	550.6	550.6	550.6	550.6	555.0	561.6	560.5	555.0	547.4	545.2
105°	544.1	544.1	543.0	543.0	544.1	548.5	555.0	553.9	547.4	539.7	537.5
107.5°	535.4	535.4	534.3	534.3	535.4	539.7	546.3	545.2	538.6	531.0	528.8
110°	524.4	524.4	523.3	522.2	525.5	529.9	536.4	535.4	528.8	521.2	519.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	513.5	513.5	513.5	512.4	515.7	520.1	525.5	524.4	517.9	510.2	509.1
115°	501.5	501.5	500.4	500.4	504.8	509.1	514.6	512.4	505.9	499.3	497.1
117.5°	489.5	489.5	487.3	487.3	491.7	497.1	502.6	500.4	493.8	487.3	485.1
120°	476.4	476.4	474.2	474.2	479.6	485.1	490.6	488.4	481.8	474.2	473.1
122.5°	462.2	462.2	460.0	461.1	466.5	472.0	477.4	475.3	468.7	462.2	460.0
125°	446.9	446.9	445.8	446.9	452.3	457.8	463.2	461.1	454.5	449.0	445.8
127.5°	431.6	431.6	431.6	432.7	438.1	443.6	449.0	445.8	440.3	433.7	432.7
130°	416.3	416.3	415.2	417.4	422.8	428.3	432.7	431.6	425.0	419.5	417.4
132.5°	399.9	399.9	399.9	401.0	406.4	411.9	417.4	415.2	409.7	403.2	401.0
135°	382.4	382.4	383.5	384.6	390.0	395.5	399.9	397.7	393.3	386.8	383.5
137.5°	364.9	366.0	366.0	368.2	372.6	378.0	381.3	380.2	374.7	369.3	367.1
140°	347.4	347.4	348.5	350.7	355.1	359.5	361.6	360.5	357.3	351.8	348.5
142.5°	330.0	330.0	331.0	333.2	336.5	339.8	343.1	342.0	338.7	334.3	331.0
145°	312.5	312.5	313.6	315.7	319.0	321.2	324.5	323.4	320.1	315.7	312.5
147.5°	297.2	296.1	297.2	299.4	302.6	303.7	305.9	305.9	302.6	298.3	296.1
150°	280.8	280.8	281.9	283.0	285.2	287.3	288.4	288.4	285.2	280.8	278.6
152.5°	261.1	261.1	262.2	265.5	266.6	269.9	271.0	268.8	266.6	261.1	260.0
155°	245.8	245.8	245.8	248.0	249.1	250.2	251.3	250.2	248.0	244.7	243.6
157.5°	231.6	230.5	230.5	232.7	233.8	233.8	234.9	233.8	232.7	229.4	228.3
160°	216.3	216.3	216.3	217.4	217.4	219.6	219.6	218.5	216.3	215.2	213.0
162.5°	202.1	202.1	202.1	202.1	203.2	203.2	203.2	202.1	201.0	199.9	198.8
165°	187.9	187.9	187.9	187.9	187.9	189.0	189.0	187.9	186.8	185.7	185.7
167.5°	175.9	175.9	174.8	174.8	175.9	175.9	175.9	174.8	174.8	173.7	173.7
170°	163.9	165.0	165.0	163.9	163.9	163.9	163.9	163.9	163.9	162.8	162.8
172.5°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	154.1	154.1
175°	148.6	148.6	148.6	147.5	148.6	148.6	148.6	147.5	147.5	147.5	147.5
177.5°	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2
180°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	69.9	69.9	71.0	71.0	72.1	72.1	72.1	72.1	72.1	72.1
5°	75.4	75.4	76.5	76.5	76.5	77.6	77.6	77.6	77.6	77.6
7.5°	88.5	89.6	90.7	89.6	89.6	90.7	89.6	89.6	90.7	90.7
10°	101.6	102.7	103.8	103.8	103.8	103.8	103.8	103.8	103.8	102.7
12.5°	116.9	116.9	116.9	118.0	118.0	118.0	118.0	118.0	119.1	118.0
15°	131.1	131.1	131.1	132.2	132.2	132.2	132.2	133.3	134.4	133.3
17.5°	146.4	146.4	146.4	146.4	146.4	146.4	147.5	148.6	149.7	148.6
20°	162.8	162.8	161.7	161.7	161.7	161.7	162.8	163.9	163.9	163.9
22.5°	181.4	179.2	179.2	178.1	178.1	179.2	180.3	181.4	181.4	180.3
25°	201.0	198.8	196.7	197.8	196.7	197.8	198.8	199.9	199.9	198.8
27.5°	221.8	219.6	217.4	217.4	216.3	217.4	217.4	219.6	220.7	219.6
30°	243.6	241.5	238.2	238.2	237.1	237.1	239.3	240.4	241.5	240.4
32.5°	266.6	262.2	261.1	260.0	257.8	257.8	260.0	261.1	263.3	262.2
35°	290.6	287.3	283.0	280.8	280.8	281.9	283.0	284.1	287.3	286.3
37.5°	312.5	308.1	304.8	302.6	302.6	302.6	305.9	307.0	309.2	308.1
40°	333.2	328.9	325.6	323.4	323.4	323.4	326.7	327.8	331.0	331.0
42.5°	352.9	348.5	347.4	344.2	343.1	344.2	346.3	349.6	352.9	352.9
45°	371.5	368.2	366.0	363.8	362.7	363.8	366.0	370.4	373.7	372.6
47.5°	390.0	386.8	384.6	382.4	381.3	381.3	384.6	389.0	393.3	392.2
50°	407.5	404.2	402.1	401.0	399.9	399.9	403.2	407.5	413.0	411.9
52.5°	422.8	420.6	419.5	418.4	416.3	416.3	419.5	425.0	429.4	430.5
55°	438.1	435.9	435.9	433.7	432.7	432.7	435.9	441.4	445.8	446.9
57.5°	453.4	451.2	452.3	450.1	447.9	446.9	451.2	457.8	462.2	464.3
60°	466.5	465.4	465.4	464.3	462.2	461.1	465.4	472.0	477.4	478.5
62.5°	479.6	478.5	479.6	478.5	475.3	474.2	478.5	485.1	491.7	492.7
65°	491.7	490.6	493.8	491.7	488.4	487.3	491.7	499.3	505.9	506.9
67.5°	502.6	502.6	504.8	503.7	499.3	498.2	502.6	510.2	517.9	519.0
70°	513.5	514.6	517.9	515.7	511.3	510.2	513.5	522.2	529.9	531.0
72.5°	522.2	524.4	528.8	526.6	521.2	519.0	524.4	533.2	540.8	541.9
75°	532.1	533.2	536.4	535.4	531.0	527.7	533.2	541.9	549.6	550.6
77.5°	539.7	541.9	546.3	544.1	538.6	536.4	541.9	550.6	558.3	558.3
80°	546.3	549.6	552.8	551.7	546.3	543.0	548.5	557.2	564.9	564.9
82.5°	551.7	555.0	558.3	557.2	551.7	548.5	552.8	561.6	570.3	571.4
85°	556.1	559.4	563.8	562.7	556.1	552.8	557.2	567.0	573.6	574.7
87.5°	557.2	561.6	567.0	563.8	559.4	555.0	560.5	568.1	575.8	576.9
90°	559.4	563.8	568.1	565.9	560.5	557.2	561.6	569.2	578.0	579.1
92.5°	559.4	563.8	568.1	567.0	561.6	557.2	561.6	570.3	576.9	578.0
95°	558.3	562.7	567.0	565.9	559.4	556.1	560.5	568.1	575.8	575.8
97.5°	555.0	559.4	563.8	562.7	557.2	552.8	557.2	564.9	572.5	572.5
100°	550.6	555.0	560.5	559.4	552.8	549.6	552.8	561.6	568.1	568.1
102.5°	544.1	548.5	553.9	552.8	547.4	543.0	546.3	555.0	560.5	560.5
105°	537.5	540.8	546.3	545.2	539.7	535.4	539.7	547.4	553.9	555.0
107.5°	528.8	532.1	537.5	537.5	532.1	527.7	531.0	539.7	545.2	546.3
110°	519.0	522.2	526.6	526.6	522.2	517.9	521.2	528.8	536.4	536.4



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	508.0	511.3	515.7	515.7	510.2	506.9	510.2	519.0	525.5	525.5
115°	497.1	499.3	503.7	503.7	499.3	496.0	500.4	508.0	514.6	514.6
117.5°	485.1	487.3	490.6	491.7	487.3	484.0	488.4	494.9	502.6	502.6
120°	472.0	474.2	477.4	477.4	474.2	472.0	475.3	482.9	489.5	490.6
122.5°	460.0	461.1	463.2	463.2	460.0	458.9	462.2	470.9	476.4	477.4
125°	445.8	445.8	449.0	447.9	445.8	444.7	449.0	455.6	462.2	462.2
127.5°	431.6	431.6	432.7	432.7	430.5	429.4	434.8	441.4	446.9	447.9
130°	416.3	415.2	416.3	416.3	415.2	415.2	419.5	426.1	431.6	432.7
132.5°	399.9	398.8	398.8	398.8	398.8	398.8	403.2	409.7	415.2	416.3
135°	382.4	381.3	381.3	381.3	380.2	382.4	386.8	392.2	397.7	398.8
137.5°	366.0	363.8	363.8	362.7	363.8	366.0	369.3	374.7	380.2	380.2
140°	347.4	344.2	344.2	344.2	346.3	348.5	351.8	357.3	361.6	362.7
142.5°	330.0	326.7	325.6	326.7	327.8	330.0	334.3	339.8	343.1	343.1
145°	311.4	308.1	307.0	308.1	310.3	313.6	316.8	321.2	324.5	324.5
147.5°	295.0	291.7	290.6	290.6	293.9	297.2	300.5	304.8	307.0	307.0
150°	277.5	274.2	273.1	274.2	277.5	279.7	284.1	287.3	289.5	289.5
152.5°	258.9	255.7	254.6	255.7	257.8	261.1	265.5	268.8	272.0	271.0
155°	242.5	239.3	238.2	239.3	241.5	244.7	246.9	250.2	252.4	251.3
157.5°	227.3	225.1	224.0	225.1	227.3	229.4	231.6	233.8	236.0	234.9
160°	213.0	210.9	210.9	210.9	212.0	215.2	216.3	218.5	219.6	219.6
162.5°	198.8	196.7	196.7	197.8	198.8	201.0	202.1	203.2	203.2	203.2
165°	185.7	183.5	183.5	184.6	184.6	186.8	186.8	187.9	189.0	187.9
167.5°	173.7	172.6	171.5	172.6	173.7	174.8	174.8	174.8	175.9	174.8
170°	162.8	162.8	161.7	161.7	162.8	163.9	163.9	163.9	163.9	163.9
172.5°	154.1	154.1	154.1	154.1	155.1	155.1	155.1	155.1	155.1	155.1
175°	147.5	147.5	147.5	147.5	148.6	148.6	148.6	148.6	148.6	148.6
177.5°	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2	144.2
180°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1

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