

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: P274489

Luminaire Tested: **ULA-A8-D-U-SYM-VMx-7030-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274489
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-A8-D-U-SYM-VMx-7030-BK
Description: UTILITY LIGHT ACORN TYPE V SYMMETRIC
Light Source: (180) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8136.1 lumens
Efficiency: N/A
Efficacy: 144.8 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): 56.2
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



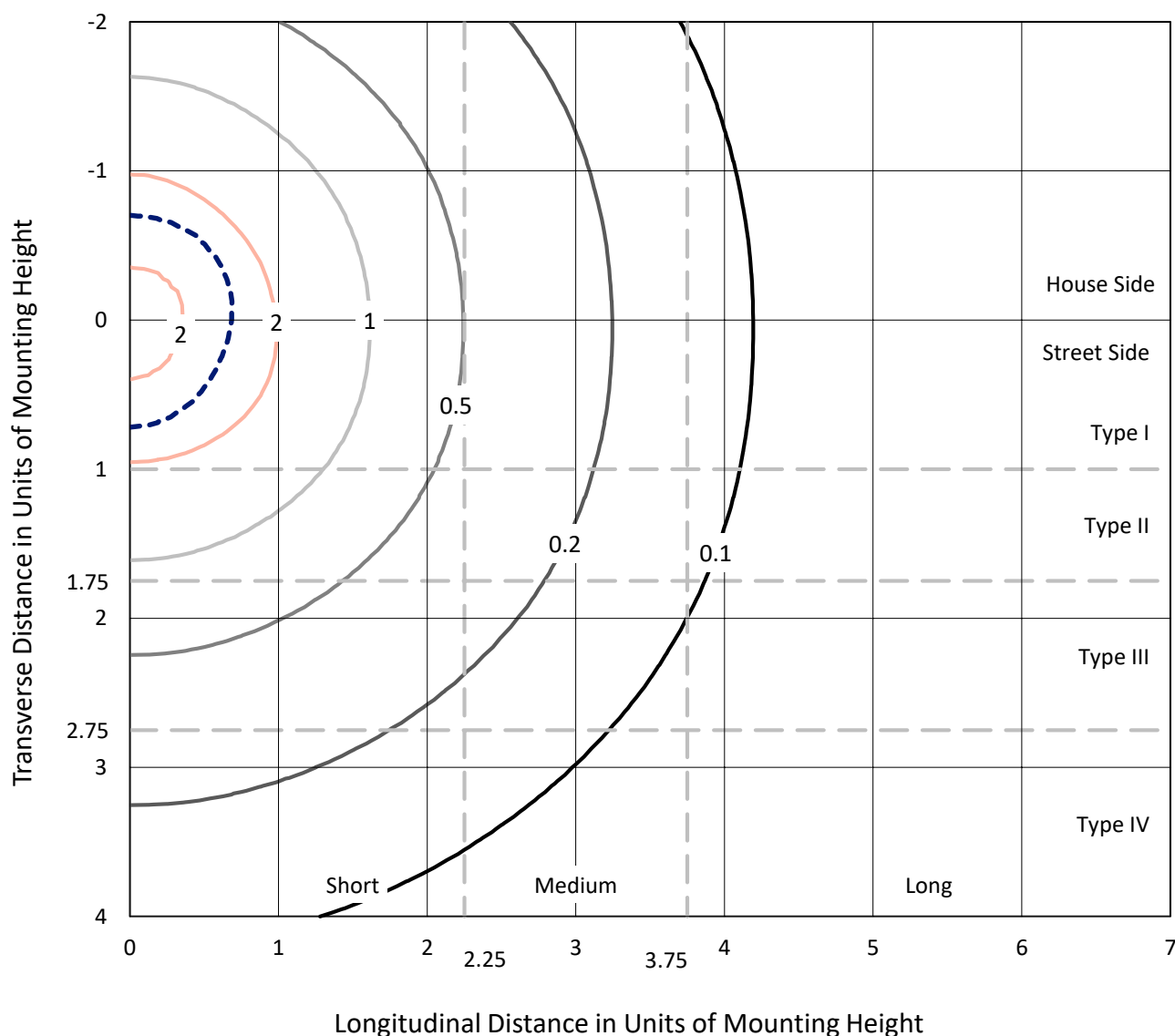
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

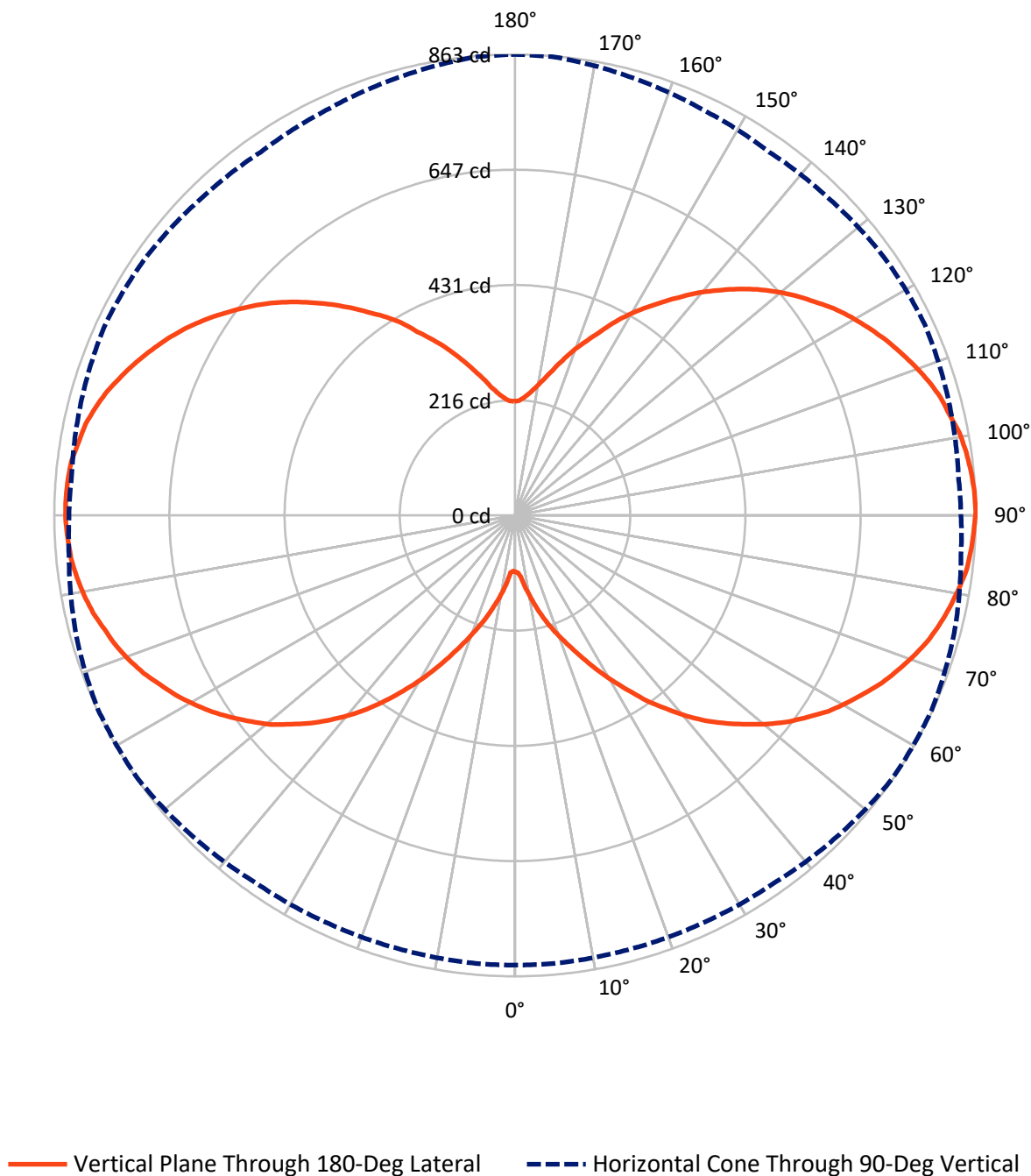


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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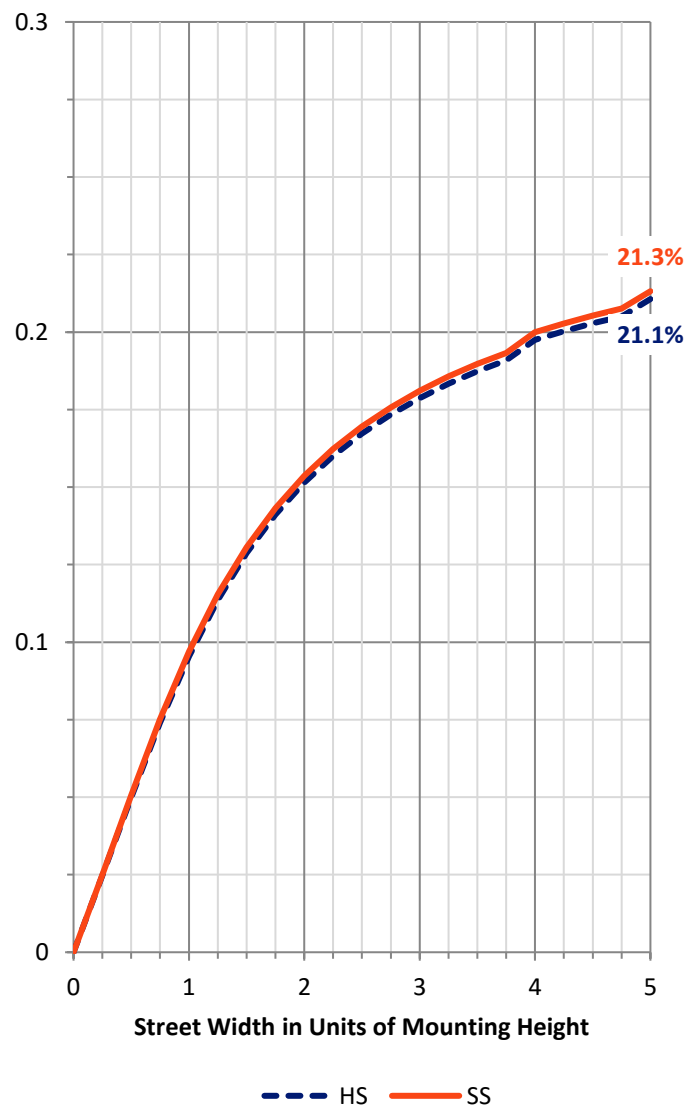
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1983.4	2062.8	4046.2
	% Fixture	24.4	25.4	49.7
Street Side	Lumens	2010.2	2079.8	4090.0
	% Fixture	24.7	25.6	50.3
Total	Lumens	3993.5	4142.6	8136.1
	% Fixture	49.1	50.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	56.6	0.7
20°-30°	139.6	1.7
30°-40°	270.5	3.3
40°-50°	429.4	5.3
50°-60°	589.9	7.3
60°-70°	734.3	9.0
70°-80°	848.0	10.4
80°-90°	913.2	11.2
90°-100°	917.5	11.3
100°-110°	857.2	10.5
110°-120°	744.8	9.2
120°-130°	603.4	7.4
130°-140°	448.0	5.5
140°-150°	297.5	3.7
150°-160°	171.8	2.1
160°-170°	80.5	1.0
170°-180°	21.8	0.3
0°-90°	3993.5	49.1
0°-180°	8136.1	100.0

Coefficient of Utilization



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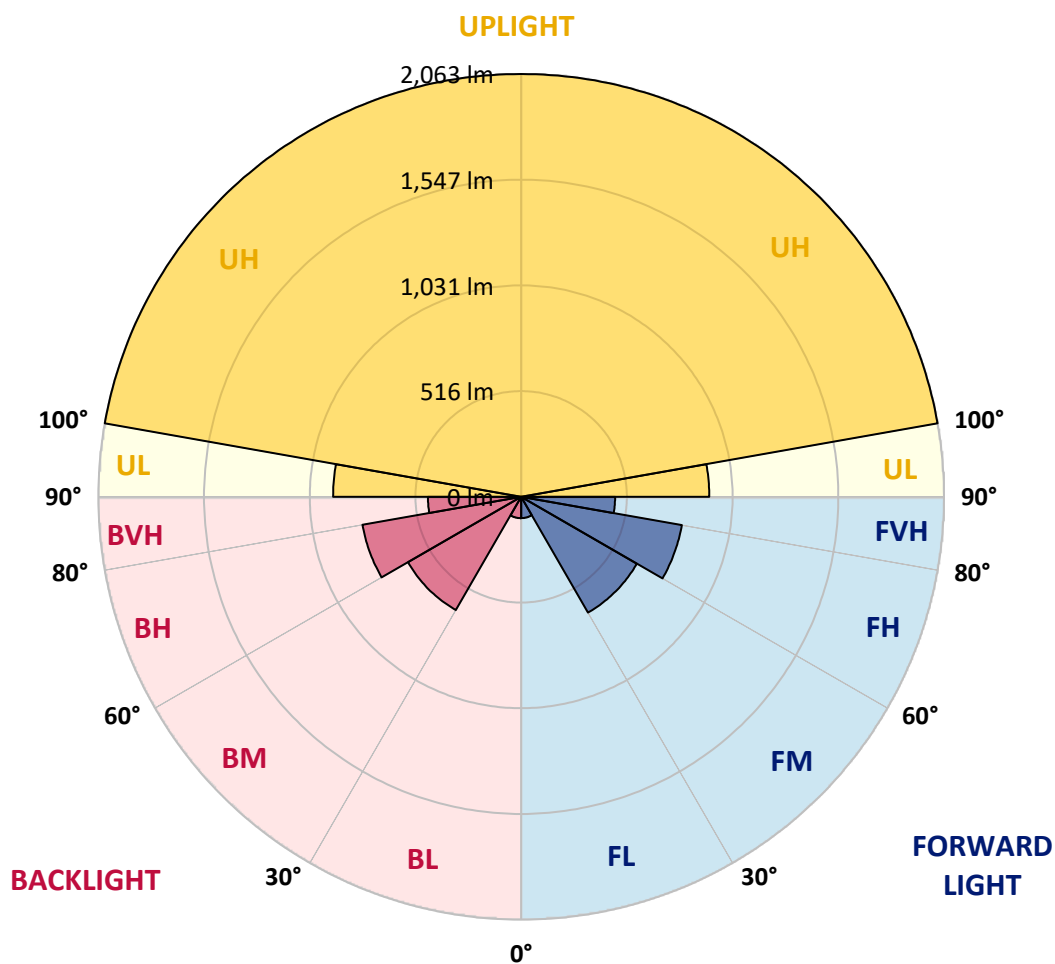
CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7030-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.9	1.3			
FM	(30°-60°)	652.0	8.0			
FH	(60°-80°)	796.1	9.8			G1/1800
FVH	(80°-90°)	458.3	5.6			G3/500
BL	(0°-30°)	104.4	1.3	B0/110		
BM	(30°-60°)	637.9	7.8	B1/1000		
BH	(60°-80°)	786.2	9.7	B2/1000		G1/1800
BVH	(80°-90°)	454.9	5.6			G3/500
UL	(90°-100°)	917.5	11.3		U4/1000	
UH	(100°-180°)	2062.8	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°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
2.5°	104.2	104.2	104.2	102.6	102.6	102.6	102.6	102.6	102.6	104.2	104.2
5°	107.4	107.4	107.4	107.4	107.4	107.4	107.4	109.1	110.7	110.7	112.3
7.5°	127.0	125.3	125.3	125.3	125.3	125.3	125.3	127.0	128.6	130.2	130.2
10°	146.5	144.9	144.9	146.5	146.5	148.1	146.5	149.8	149.8	151.4	153.0
12.5°	166.0	164.4	166.0	167.7	169.3	169.3	170.9	172.5	172.5	174.2	174.2
15°	187.2	185.6	187.2	188.8	190.5	192.1	193.7	195.3	197.0	197.0	195.3
17.5°	210.0	208.4	210.0	211.6	213.2	214.9	218.1	219.8	219.8	219.8	219.8
20°	232.8	231.1	232.8	236.0	237.7	239.3	244.2	245.8	244.2	244.2	242.5
22.5°	258.8	257.2	258.8	262.1	267.0	268.6	271.8	273.5	271.8	271.8	270.2
25°	286.5	286.5	288.1	291.4	296.3	299.5	304.4	306.0	302.8	302.8	301.1
27.5°	317.4	317.4	319.0	323.9	327.2	332.1	338.6	338.6	337.0	335.3	333.7
30°	350.0	348.3	351.6	356.5	361.4	366.3	372.8	376.0	374.4	369.5	366.3
32.5°	382.5	380.9	384.2	390.7	397.2	402.1	408.6	410.2	408.6	403.7	400.4
35°	416.7	418.3	420.0	424.9	433.0	437.9	444.4	446.0	442.8	439.5	434.6
37.5°	450.9	450.9	454.2	459.0	467.2	472.1	478.6	480.2	478.6	472.1	468.8
40°	483.5	483.5	486.7	491.6	498.1	504.6	511.1	514.4	509.5	504.6	499.7
42.5°	514.4	514.4	517.6	520.9	527.4	535.5	542.1	545.3	542.1	533.9	529.0
45°	545.3	545.3	548.6	551.8	558.3	564.8	573.0	574.6	569.7	561.6	558.3
47.5°	573.0	573.0	576.2	579.5	586.0	594.1	600.7	602.3	597.4	589.3	584.4
50°	602.3	600.7	603.9	607.2	613.7	621.8	628.3	628.3	623.4	613.7	608.8
52.5°	626.7	628.3	628.3	631.6	638.1	644.6	652.7	654.4	647.9	636.5	633.2
55°	651.1	652.7	652.7	654.4	660.9	669.0	678.8	677.2	670.6	660.9	654.4
57.5°	675.5	675.5	677.2	677.2	682.0	691.8	701.6	699.9	693.4	682.0	677.2
60°	696.7	696.7	696.7	699.9	703.2	711.3	721.1	722.7	713.0	701.6	696.7
62.5°	717.9	717.9	717.9	719.5	722.7	730.9	742.3	742.3	730.9	719.5	714.6
65°	735.8	737.4	737.4	737.4	742.3	752.0	760.2	760.2	752.0	737.4	734.1
67.5°	755.3	755.3	753.7	753.7	758.5	766.7	778.1	778.1	768.3	753.7	750.4
70°	771.6	771.6	769.9	769.9	774.8	784.6	796.0	794.4	783.0	771.6	766.7
72.5°	786.2	787.8	784.6	784.6	789.5	799.2	810.6	809.0	797.6	784.6	781.3
75°	797.6	800.9	797.6	796.0	800.9	810.6	822.0	822.0	810.6	796.0	792.7
77.5°	810.6	812.3	809.0	809.0	812.3	823.7	833.4	833.4	823.7	809.0	804.1
80°	820.4	822.0	820.4	818.8	822.0	831.8	843.2	843.2	833.4	818.8	813.9
82.5°	828.5	828.5	826.9	826.9	830.2	839.9	849.7	849.7	839.9	826.9	823.7
85°	835.1	836.7	835.1	833.4	836.7	846.4	856.2	856.2	846.4	831.8	828.5
87.5°	838.3	839.9	838.3	838.3	839.9	849.7	859.5	857.8	849.7	835.1	831.8
90°	841.6	841.6	839.9	839.9	841.6	851.3	861.1	861.1	851.3	838.3	835.1
92.5°	841.6	843.2	841.6	841.6	843.2	849.7	859.5	861.1	851.3	838.3	835.1
95°	839.9	839.9	839.9	838.3	839.9	848.1	857.8	857.8	849.7	835.1	831.8
97.5°	836.7	836.7	835.1	835.1	836.7	844.8	853.0	853.0	844.8	831.8	828.5
100°	828.5	830.2	830.2	828.5	830.2	836.7	846.4	846.4	836.7	825.3	822.0
102.5°	822.0	820.4	820.4	820.4	820.4	826.9	836.7	835.1	826.9	815.5	812.3
105°	810.6	810.6	809.0	809.0	810.6	817.1	826.9	825.3	815.5	804.1	800.9
107.5°	797.6	797.6	796.0	796.0	797.6	804.1	813.9	812.3	802.5	791.1	787.8
110°	781.3	781.3	779.7	778.1	783.0	789.5	799.2	797.6	787.8	776.5	773.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	765.1	765.1	765.1	763.4	768.3	774.8	783.0	781.3	771.6	760.2	758.5
115°	747.2	747.2	745.5	745.5	752.0	758.5	766.7	763.4	753.7	743.9	740.6
117.5°	729.2	729.2	726.0	726.0	732.5	740.6	748.8	745.5	735.8	726.0	722.7
120°	709.7	709.7	706.5	706.5	714.6	722.7	730.9	727.6	717.9	706.5	704.8
122.5°	688.6	688.6	685.3	686.9	695.1	703.2	711.3	708.1	698.3	688.6	685.3
125°	665.8	665.8	664.1	665.8	673.9	682.0	690.2	686.9	677.2	669.0	664.1
127.5°	643.0	643.0	643.0	644.6	652.7	660.9	669.0	664.1	656.0	646.2	644.6
130°	620.2	620.2	618.6	621.8	630.0	638.1	644.6	643.0	633.2	625.1	621.8
132.5°	595.8	595.8	595.8	597.4	605.5	613.7	621.8	618.6	610.4	600.7	597.4
135°	569.7	569.7	571.4	573.0	581.1	589.3	595.8	592.5	586.0	576.2	571.4
137.5°	543.7	545.3	545.3	548.6	555.1	563.2	568.1	566.5	558.3	550.2	546.9
140°	517.6	517.6	519.3	522.5	529.0	535.5	538.8	537.2	532.3	524.1	519.3
142.5°	491.6	491.6	493.2	496.5	501.4	506.2	511.1	509.5	504.6	498.1	493.2
145°	465.5	465.5	467.2	470.4	475.3	478.6	483.5	481.8	476.9	470.4	465.5
147.5°	442.8	441.1	442.8	446.0	450.9	452.5	455.8	455.8	450.9	444.4	441.1
150°	418.3	418.3	420.0	421.6	424.9	428.1	429.7	429.7	424.9	418.3	415.1
152.5°	389.0	389.0	390.7	395.6	397.2	402.1	403.7	400.4	397.2	389.0	387.4
155°	366.3	366.3	366.3	369.5	371.1	372.8	374.4	372.8	369.5	364.6	363.0
157.5°	345.1	343.5	343.5	346.7	348.3	348.3	350.0	348.3	346.7	341.8	340.2
160°	322.3	322.3	322.3	323.9	323.9	327.2	327.2	325.6	322.3	320.7	317.4
162.5°	301.1	301.1	301.1	301.1	302.8	302.8	302.8	301.1	299.5	297.9	296.3
165°	280.0	280.0	280.0	280.0	280.0	281.6	281.6	280.0	278.4	276.7	276.7
167.5°	262.1	262.1	260.4	260.4	262.1	262.1	262.1	260.4	260.4	258.8	258.8
170°	244.2	245.8	245.8	244.2	244.2	244.2	244.2	244.2	244.2	242.5	242.5
172.5°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	229.5	229.5
175°	221.4	221.4	221.4	219.8	221.4	221.4	221.4	219.8	219.8	219.8	219.8
177.5°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
180°	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
2.5°	104.2	104.2	105.8	105.8	107.4	107.4	107.4	107.4	107.4	107.4
5°	112.3	112.3	113.9	113.9	113.9	115.6	115.6	115.6	115.6	115.6
7.5°	131.9	133.5	135.1	133.5	133.5	135.1	133.5	133.5	135.1	135.1
10°	151.4	153.0	154.6	154.6	154.6	154.6	154.6	154.6	154.6	153.0
12.5°	174.2	174.2	174.2	175.8	175.8	175.8	175.8	175.8	177.4	175.8
15°	195.3	195.3	195.3	197.0	197.0	197.0	197.0	198.6	200.2	198.6
17.5°	218.1	218.1	218.1	218.1	218.1	218.1	219.8	221.4	223.0	221.4
20°	242.5	242.5	240.9	240.9	240.9	240.9	242.5	244.2	244.2	244.2
22.5°	270.2	267.0	267.0	265.3	265.3	267.0	268.6	270.2	270.2	268.6
25°	299.5	296.3	293.0	294.6	293.0	294.6	296.3	297.9	297.9	296.3
27.5°	330.4	327.2	323.9	323.9	322.3	323.9	323.9	327.2	328.8	327.2
30°	363.0	359.7	354.9	354.9	353.2	353.2	356.5	358.1	359.7	358.1
32.5°	397.2	390.7	389.0	387.4	384.2	384.2	387.4	389.0	392.3	390.7
35°	433.0	428.1	421.6	418.3	418.3	420.0	421.6	423.2	428.1	426.5
37.5°	465.5	459.0	454.2	450.9	450.9	450.9	455.8	457.4	460.7	459.0
40°	496.5	490.0	485.1	481.8	481.8	481.8	486.7	488.3	493.2	493.2
42.5°	525.8	519.3	517.6	512.8	511.1	512.8	516.0	520.9	525.8	525.8
45°	553.4	548.6	545.3	542.1	540.4	542.1	545.3	551.8	556.7	555.1
47.5°	581.1	576.2	573.0	569.7	568.1	568.1	573.0	579.5	586.0	584.4
50°	607.2	602.3	599.0	597.4	595.8	595.8	600.7	607.2	615.3	613.7
52.5°	630.0	626.7	625.1	623.4	620.2	620.2	625.1	633.2	639.7	641.3
55°	652.7	649.5	649.5	646.2	644.6	644.6	649.5	657.6	664.1	665.8
57.5°	675.5	672.3	673.9	670.6	667.4	665.8	672.3	682.0	688.6	691.8
60°	695.1	693.4	693.4	691.8	688.6	686.9	693.4	703.2	711.3	713.0
62.5°	714.6	713.0	714.6	713.0	708.1	706.5	713.0	722.7	732.5	734.1
65°	732.5	730.9	735.8	732.5	727.6	726.0	732.5	743.9	753.7	755.3
67.5°	748.8	748.8	752.0	750.4	743.9	742.3	748.8	760.2	771.6	773.2
70°	765.1	766.7	771.6	768.3	761.8	760.2	765.1	778.1	789.5	791.1
72.5°	778.1	781.3	787.8	784.6	776.5	773.2	781.3	794.4	805.8	807.4
75°	792.7	794.4	799.2	797.6	791.1	786.2	794.4	807.4	818.8	820.4
77.5°	804.1	807.4	813.9	810.6	802.5	799.2	807.4	820.4	831.8	831.8
80°	813.9	818.8	823.7	822.0	813.9	809.0	817.1	830.2	841.6	841.6
82.5°	822.0	826.9	831.8	830.2	822.0	817.1	823.7	836.7	849.7	851.3
85°	828.5	833.4	839.9	838.3	828.5	823.7	830.2	844.8	854.6	856.2
87.5°	830.2	836.7	844.8	839.9	833.4	826.9	835.1	846.4	857.8	859.5
90°	833.4	839.9	846.4	843.2	835.1	830.2	836.7	848.1	861.1	862.7
92.5°	833.4	839.9	846.4	844.8	836.7	830.2	836.7	849.7	859.5	861.1
95°	831.8	838.3	844.8	843.2	833.4	828.5	835.1	846.4	857.8	857.8
97.5°	826.9	833.4	839.9	838.3	830.2	823.7	830.2	841.6	853.0	853.0
100°	820.4	826.9	835.1	833.4	823.7	818.8	823.7	836.7	846.4	846.4
102.5°	810.6	817.1	825.3	823.7	815.5	809.0	813.9	826.9	835.1	835.1
105°	800.9	805.8	813.9	812.3	804.1	797.6	804.1	815.5	825.3	826.9
107.5°	787.8	792.7	800.9	800.9	792.7	786.2	791.1	804.1	812.3	813.9
110°	773.2	778.1	784.6	784.6	778.1	771.6	776.5	787.8	799.2	799.2



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CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7030-BK

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	756.9	761.8	768.3	768.3	760.2	755.3	760.2	773.2	783.0	783.0
115°	740.6	743.9	750.4	750.4	743.9	739.0	745.5	756.9	766.7	766.7
117.5°	722.7	726.0	730.9	732.5	726.0	721.1	727.6	737.4	748.8	748.8
120°	703.2	706.5	711.3	711.3	706.5	703.2	708.1	719.5	729.2	730.9
122.5°	685.3	686.9	690.2	690.2	685.3	683.7	688.6	701.6	709.7	711.3
125°	664.1	664.1	669.0	667.4	664.1	662.5	669.0	678.8	688.6	688.6
127.5°	643.0	643.0	644.6	644.6	641.3	639.7	647.9	657.6	665.8	667.4
130°	620.2	618.6	620.2	620.2	618.6	618.6	625.1	634.8	643.0	644.6
132.5°	595.8	594.1	594.1	594.1	594.1	594.1	600.7	610.4	618.6	620.2
135°	569.7	568.1	568.1	568.1	566.5	569.7	576.2	584.4	592.5	594.1
137.5°	545.3	542.1	542.1	540.4	542.1	545.3	550.2	558.3	566.5	566.5
140°	517.6	512.8	512.8	512.8	516.0	519.3	524.1	532.3	538.8	540.4
142.5°	491.6	486.7	485.1	486.7	488.3	491.6	498.1	506.2	511.1	511.1
145°	463.9	459.0	457.4	459.0	462.3	467.2	472.1	478.6	483.5	483.5
147.5°	439.5	434.6	433.0	433.0	437.9	442.8	447.6	454.2	457.4	457.4
150°	413.5	408.6	406.9	408.6	413.5	416.7	423.2	428.1	431.4	431.4
152.5°	385.8	380.9	379.3	380.9	384.2	389.0	395.6	400.4	405.3	403.7
155°	361.4	356.5	354.9	356.5	359.7	364.6	367.9	372.8	376.0	374.4
157.5°	338.6	335.3	333.7	335.3	338.6	341.8	345.1	348.3	351.6	350.0
160°	317.4	314.2	314.2	314.2	315.8	320.7	322.3	325.6	327.2	327.2
162.5°	296.3	293.0	293.0	294.6	296.3	299.5	301.1	302.8	302.8	302.8
165°	276.7	273.5	273.5	275.1	275.1	278.4	278.4	280.0	281.6	280.0
167.5°	258.8	257.2	255.6	257.2	258.8	260.4	260.4	260.4	262.1	260.4
170°	242.5	242.5	240.9	240.9	242.5	244.2	244.2	244.2	244.2	244.2
172.5°	229.5	229.5	229.5	229.5	231.1	231.1	231.1	231.1	231.1	231.1
175°	219.8	219.8	219.8	219.8	221.4	221.4	221.4	221.4	221.4	221.4
177.5°	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9	214.9
180°	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2

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