

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-HSS-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 (G2-1804-729-17)
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-HSS-BK
Description: UTILITY LIGHT ACORN TYPE V SYMMETRIC W/ HOUSE SIDE SHIELD
Light Source: (180) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6443.7 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G4

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



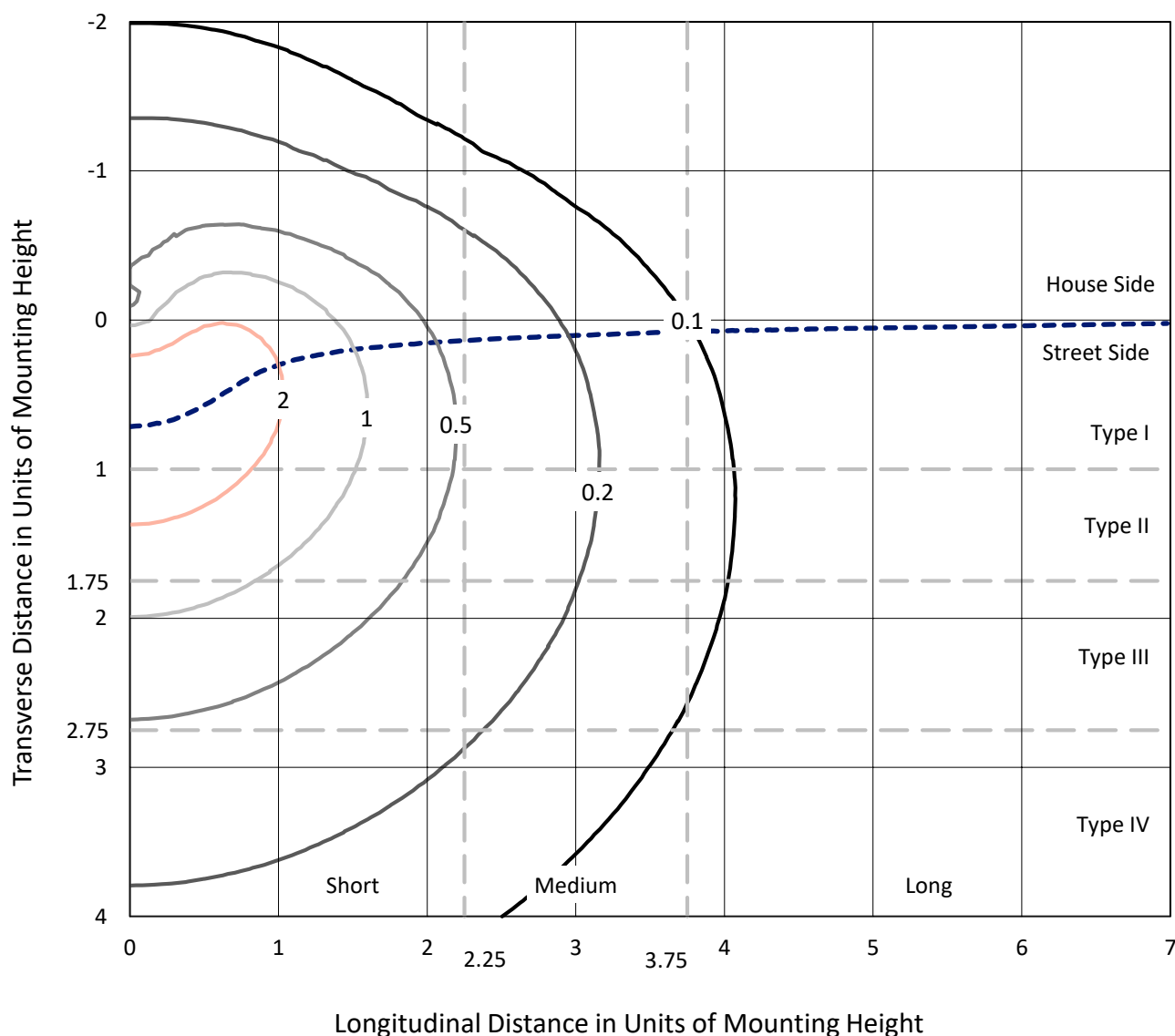
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

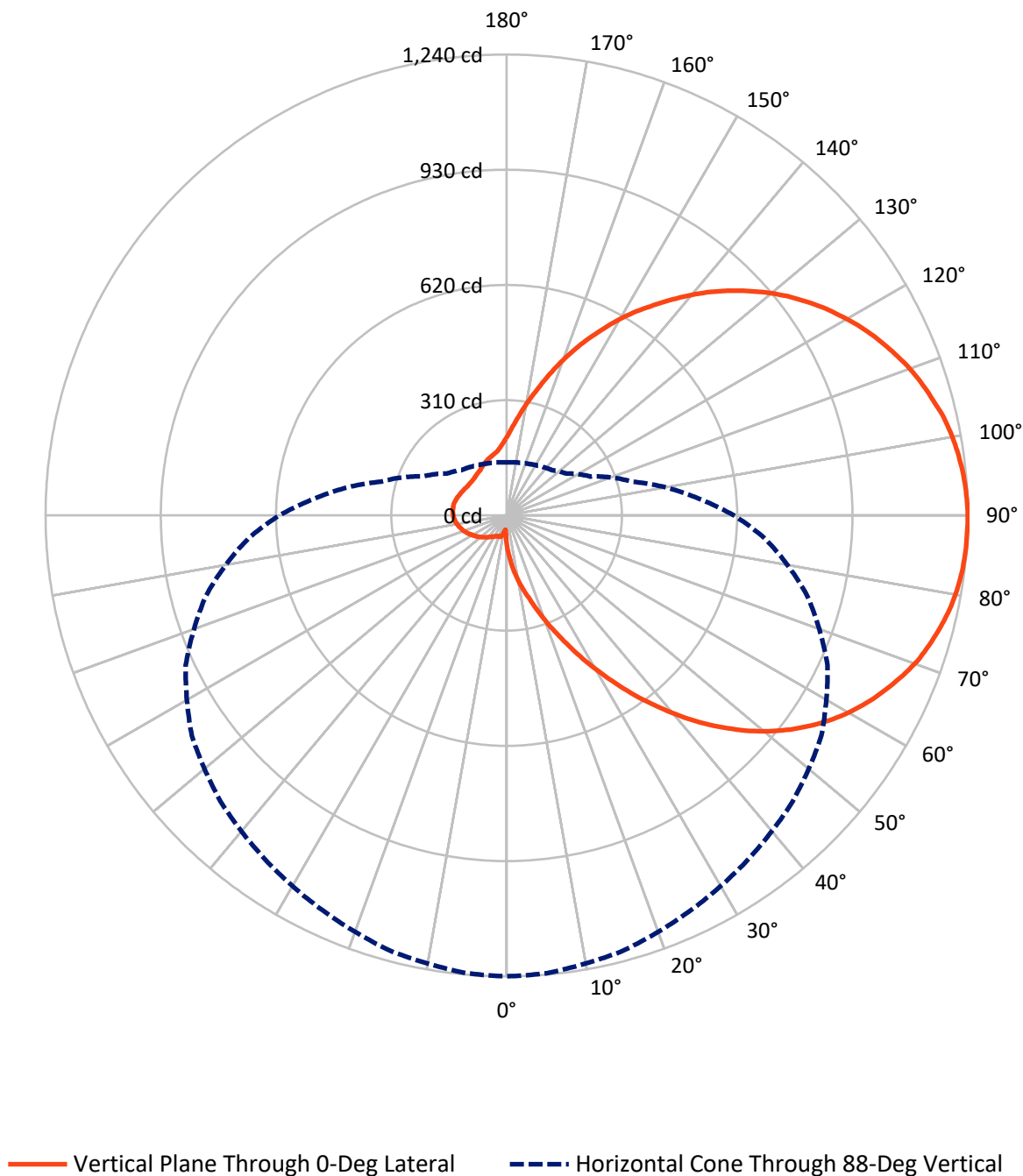


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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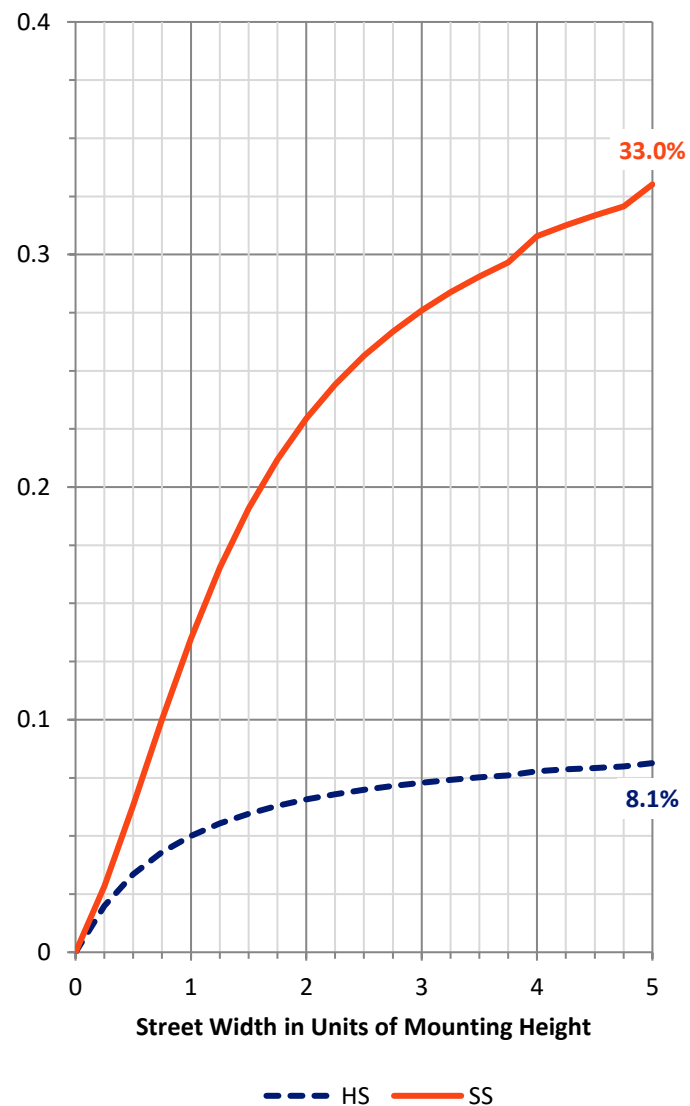
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.7	764.8	1347.4
	% Fixture	9.0	11.9	20.9
Street Side	Lumens	2495.0	2601.2	5096.3
	% Fixture	38.7	40.4	79.1
Total	Lumens	3077.7	3366.0	6443.7
	% Fixture	47.8	52.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	43.6	0.7
20°-30°	109.5	1.7
30°-40°	213.2	3.3
40°-50°	338.6	5.3
50°-60°	461.4	7.2
60°-70°	566.6	8.8
70°-80°	646.0	10.0
80°-90°	689.5	10.7
90°-100°	693.7	10.8
100°-110°	658.0	10.2
110°-120°	590.8	9.2
120°-130°	500.1	7.8
130°-140°	389.6	6.0
140°-150°	271.3	4.2
150°-160°	163.3	2.5
160°-170°	78.0	1.2
170°-180°	21.2	0.3
0°-90°	3077.7	47.8
0°-180°	6443.7	100.0

Coefficient of Utilization



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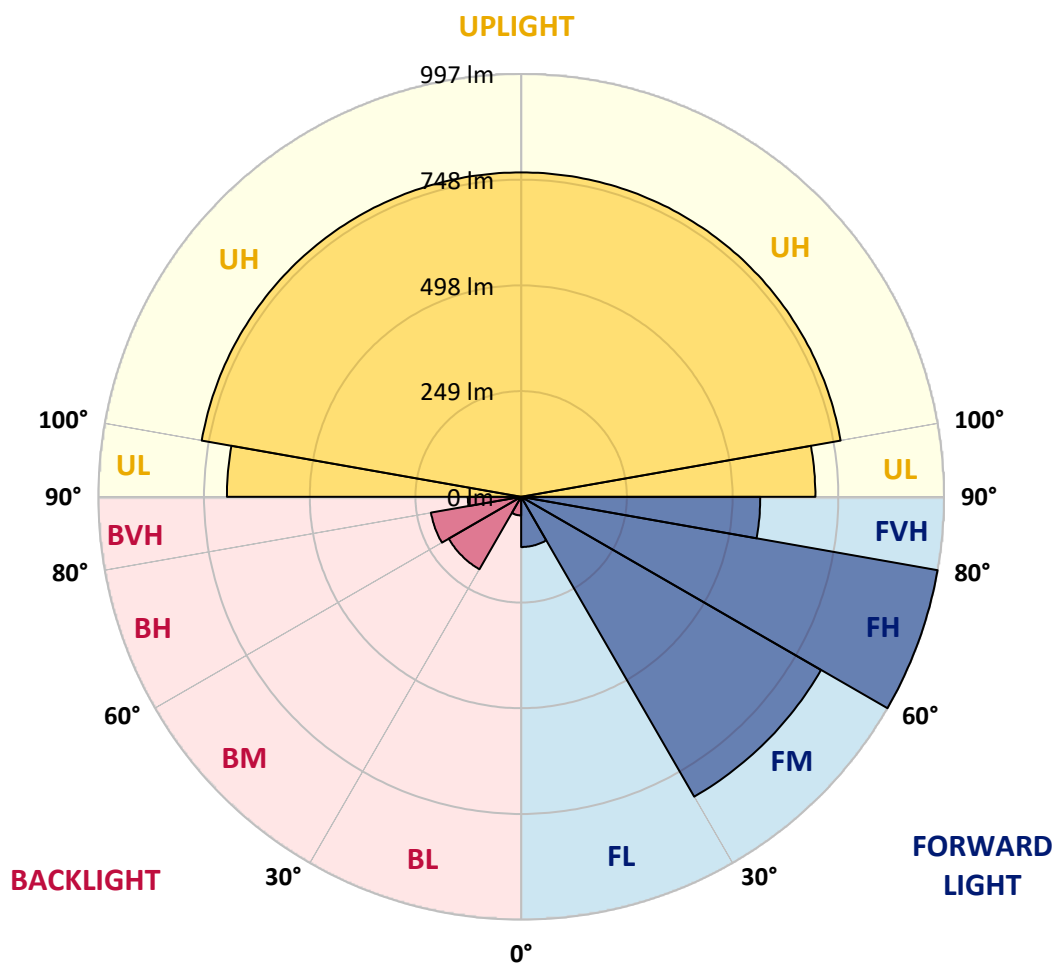
CATALOG NUMBER: ULA-A8-D-U-SYM-VMx-7030-HSS-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.4	1.8			
FM	(30°-60°)	816.2	12.7			
FH	(60°-80°)	996.8	15.5			G1/1800
FVH	(80°-90°)	563.6	8.7			G4/750
BL	(0°-30°)	43.8	0.7	B0/110		
BM	(30°-60°)	197.1	3.1	B0/220		
BH	(60°-80°)	215.8	3.3	B1/500		G1/500
BVH	(80°-90°)	125.9	2.0			G2/225
UL	(90°-100°)	693.7	10.8		U4/1000	
UH	(100°-180°)	764.8	11.9		U4/1000	

BUG Rating: B1-U5-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2.5°	102.3	102.3	100.3	101.3	98.4	96.5	92.7	88.9	86.0	82.2	80.3
5°	130.0	128.1	126.1	124.2	119.5	114.7	109.9	103.2	96.5	89.8	86.0
7.5°	155.8	154.8	151.0	148.1	142.4	136.7	130.0	121.4	113.7	105.1	100.3
10°	181.6	180.6	176.8	173.9	167.2	161.5	152.9	143.3	133.8	122.3	116.6
12.5°	207.4	206.4	202.6	200.7	195.0	188.3	178.7	166.3	154.8	141.4	134.7
15°	234.1	234.1	233.2	229.4	222.7	216.0	206.4	192.1	177.7	161.5	153.9
17.5°	269.5	267.6	264.7	261.8	256.1	248.5	234.1	220.8	202.6	183.5	172.0
20°	305.8	303.9	302.0	298.2	290.5	282.9	268.5	252.3	229.4	206.4	192.1
22.5°	345.0	343.1	341.2	337.3	329.7	321.1	305.8	286.7	262.8	233.2	215.0
25°	388.0	388.0	385.1	381.3	372.7	364.1	345.9	324.9	297.2	261.8	241.8
27.5°	436.7	433.9	432.9	428.1	420.5	410.0	390.9	366.0	333.5	292.4	270.4
30°	485.5	484.5	483.6	477.8	469.2	457.8	435.8	410.0	370.8	323.0	297.2
32.5°	538.0	539.0	535.2	528.5	518.9	506.5	482.6	452.0	410.0	353.6	324.0
35°	594.4	593.5	587.7	582.9	570.5	555.2	528.5	494.1	446.3	383.2	349.8
37.5°	648.9	649.8	644.1	636.5	622.1	604.9	575.3	536.1	480.7	411.9	374.6
40°	705.3	706.2	699.5	688.1	672.8	652.7	620.2	577.2	516.0	439.6	396.6
42.5°	760.7	760.7	754.0	742.5	721.5	698.6	663.2	616.4	548.5	464.4	418.6
45°	813.2	813.2	804.6	790.3	767.4	741.6	703.4	651.7	578.2	487.4	437.7
47.5°	864.9	863.9	854.3	835.2	813.2	783.6	743.5	684.2	606.8	509.4	454.9
50°	912.6	912.6	899.3	878.2	850.5	820.9	777.9	715.8	633.6	529.4	471.1
52.5°	956.6	955.6	941.3	918.4	887.8	856.3	810.4	744.4	656.5	547.6	486.4
55°	996.7	995.8	979.5	953.7	922.2	887.8	840.0	771.2	679.5	564.8	499.8
57.5°	1034.0	1033.0	1013.9	985.3	953.7	917.4	867.7	796.0	700.5	581.0	513.2
60°	1067.4	1065.5	1046.4	1014.9	981.4	944.2	894.5	819.9	719.6	595.4	525.6
62.5°	1097.1	1095.2	1074.1	1041.6	1006.3	968.1	915.5	840.0	736.8	609.7	536.1
65°	1123.8	1121.9	1100.9	1065.5	1029.2	990.0	936.5	859.1	753.0	622.1	547.6
67.5°	1148.7	1146.8	1122.9	1086.6	1050.2	1010.1	956.6	877.3	768.3	634.5	558.1
70°	1171.6	1167.8	1142.9	1106.6	1067.4	1026.4	973.8	893.5	782.7	646.0	567.6
72.5°	1188.8	1185.9	1161.1	1122.9	1083.7	1043.6	989.1	906.9	796.0	656.5	576.3
75°	1204.1	1202.2	1176.4	1137.2	1097.1	1056.0	1002.5	918.4	806.6	667.0	584.9
77.5°	1217.5	1213.7	1188.8	1149.6	1108.5	1066.5	1013.0	929.8	816.1	674.7	591.5
80°	1227.0	1224.2	1198.4	1158.2	1117.1	1075.1	1021.6	938.4	823.8	681.4	597.3
82.5°	1233.7	1229.9	1205.1	1164.9	1123.8	1080.8	1027.3	943.2	829.5	687.1	603.0
85°	1237.6	1234.7	1208.9	1169.7	1127.7	1084.7	1031.1	948.0	834.3	691.9	606.8
87.5°	1238.5	1236.6	1211.8	1171.6	1129.6	1087.5	1033.0	950.9	837.1	694.7	609.7
88°	1239.5	1235.6	1211.8	1171.6	1130.5	1087.5	1033.0	951.8	837.1	695.7	610.7
90°	1239.5	1235.6	1211.8	1172.6	1130.5	1086.6	1034.0	952.8	838.1	696.7	612.6
92.5°	1236.6	1233.7	1209.8	1171.6	1129.6	1085.6	1033.0	951.8	839.1	698.6	614.5
95°	1231.8	1229.0	1206.0	1167.8	1125.7	1082.7	1030.2	949.9	838.1	698.6	614.5
97.5°	1224.2	1221.3	1199.3	1161.1	1120.0	1077.0	1024.4	946.1	835.2	697.6	614.5
100°	1214.6	1211.8	1189.8	1152.5	1111.4	1069.4	1017.8	941.3	831.4	695.7	613.5
102.5°	1202.2	1198.4	1177.3	1141.0	1101.9	1059.8	1009.2	932.7	825.7	691.9	611.6
105°	1185.0	1183.1	1163.0	1127.7	1087.5	1047.4	997.7	924.1	819.0	687.1	607.8
107.5°	1168.7	1165.9	1145.8	1111.4	1074.1	1035.0	986.2	913.6	811.3	682.3	604.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	1149.6	1146.8	1126.7	1094.2	1056.9	1019.7	971.9	902.1	802.7	676.6	602.1
112.5°	1126.7	1124.8	1104.7	1074.1	1038.8	1003.4	957.6	889.7	793.2	670.9	598.2
115°	1103.8	1100.9	1081.8	1053.1	1018.7	985.3	941.3	875.4	781.7	664.2	594.4
117.5°	1078.9	1076.0	1056.9	1029.2	997.7	965.2	923.1	860.1	770.2	656.5	589.6
120°	1050.2	1048.3	1030.2	1004.4	975.7	944.2	903.1	843.8	757.8	648.9	584.9
122.5°	1021.6	1018.7	1002.5	978.6	951.8	922.2	883.0	826.6	743.5	639.3	579.1
125°	990.0	988.1	972.8	950.9	926.0	898.3	861.0	805.6	728.2	629.8	572.4
127.5°	957.6	954.7	940.3	920.3	898.3	871.5	837.1	785.5	712.0	617.3	564.8
130°	922.2	920.3	906.9	888.7	866.8	842.9	810.4	761.6	692.8	604.0	554.3
132.5°	884.9	883.0	871.5	856.3	834.3	812.3	781.7	734.9	670.9	588.7	542.8
135°	846.7	845.7	835.2	820.9	800.8	780.8	751.1	708.1	648.9	572.4	529.4
137.5°	807.5	806.6	797.0	782.7	767.4	746.4	718.6	678.5	624.0	553.3	513.2
140°	765.5	764.5	756.9	743.5	727.2	710.0	683.3	647.0	596.3	531.3	496.0
142.5°	723.4	722.5	715.8	706.2	690.9	672.8	647.9	613.5	568.6	509.4	476.9
145°	682.3	681.4	675.6	666.1	651.7	635.5	611.6	582.0	539.9	486.4	457.8
147.5°	643.1	641.2	636.5	628.8	615.4	599.2	577.2	549.5	511.3	463.5	437.7
150°	601.1	600.1	594.4	588.7	575.3	561.9	540.9	517.0	481.6	438.6	415.7
152.5°	559.0	558.1	554.3	547.6	536.1	523.7	504.6	482.6	452.0	413.8	393.7
155°	518.0	517.0	513.2	508.4	496.9	485.5	468.3	448.2	420.5	388.0	369.8
157.5°	476.9	476.9	475.0	469.2	458.7	448.2	431.0	415.7	390.9	362.2	347.9
160°	436.7	436.7	435.8	430.0	421.4	411.9	396.6	381.3	362.2	337.3	324.9
162.5°	397.5	395.6	396.6	392.8	384.2	376.5	363.1	350.7	332.6	311.5	301.0
165°	360.3	359.3	360.3	356.5	348.8	342.1	329.7	320.1	304.8	286.7	279.0
167.5°	326.8	326.8	325.9	323.0	316.3	310.6	301.0	292.4	280.0	265.7	259.0
170°	297.2	295.3	296.2	293.4	288.6	283.8	275.2	267.6	258.0	246.6	241.8
172.5°	269.5	267.6	268.5	265.7	262.8	259.0	253.2	246.6	238.9	228.4	225.5
175°	244.6	243.7	243.7	241.8	239.9	237.0	231.3	227.4	222.7	216.9	215.0
177.5°	222.7	220.8	221.7	220.8	219.8	218.8	216.9	215.0	212.2	209.3	208.3
180°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2.5°	78.4	74.5	69.8	65.0	60.2	56.4	54.5	51.6	51.6	49.7
5°	82.2	74.5	66.9	60.2	53.5	47.8	43.0	40.1	39.2	39.2
7.5°	95.6	87.0	77.4	68.8	61.2	54.5	48.7	44.0	42.0	41.1
10°	110.9	100.3	87.9	78.4	69.8	61.2	54.5	49.7	47.8	47.8
12.5°	127.1	113.7	99.4	87.0	75.5	66.9	60.2	56.4	54.5	53.5
15°	144.3	127.1	109.9	94.6	82.2	71.7	65.0	61.2	59.2	58.3
17.5°	161.5	140.5	120.4	102.3	87.0	76.5	67.9	62.1	60.2	60.2
20°	179.7	153.9	130.0	108.9	91.7	78.4	68.8	63.1	60.2	60.2
22.5°	200.7	169.1	139.5	115.6	95.6	81.2	70.7	64.0	60.2	60.2
25°	222.7	185.4	151.0	122.3	100.3	84.1	72.6	65.0	62.1	61.2
27.5°	247.5	201.6	162.5	129.0	105.1	87.0	74.5	66.9	63.1	63.1
30°	271.4	216.9	172.0	135.7	108.9	89.8	76.5	68.8	65.0	65.0
32.5°	294.3	232.2	180.6	141.4	112.8	92.7	79.3	70.7	67.9	66.9
35°	315.4	246.6	188.3	145.3	115.6	95.6	82.2	73.6	69.8	69.8
37.5°	335.4	259.0	195.0	149.1	118.5	97.5	85.1	76.5	72.6	72.6
40°	353.6	269.5	199.7	151.9	120.4	100.3	87.9	79.3	76.5	75.5
42.5°	370.8	278.1	203.6	153.9	122.3	103.2	90.8	83.1	79.3	79.3
45°	385.1	285.7	207.4	155.8	124.2	105.1	93.7	86.0	83.1	82.2
47.5°	398.5	292.4	209.3	157.7	126.1	108.0	96.5	89.8	87.0	86.0
50°	410.9	297.2	211.2	158.6	128.1	110.9	99.4	93.7	90.8	89.8
52.5°	422.4	302.0	212.2	159.6	130.0	112.8	103.2	96.5	93.7	93.7
55°	431.9	306.8	214.1	161.5	131.9	116.6	106.1	101.3	98.4	97.5
57.5°	442.5	310.6	216.0	162.5	134.7	119.5	109.9	105.1	102.3	101.3
60°	451.1	314.4	217.9	164.4	136.7	122.3	113.7	108.9	106.1	105.1
62.5°	459.7	317.3	218.8	166.3	139.5	126.1	117.5	112.8	109.9	108.9
65°	467.3	321.1	221.7	169.1	142.4	129.0	121.4	116.6	113.7	113.7
67.5°	475.0	324.9	223.6	171.1	146.2	132.8	125.2	120.4	117.5	117.5
70°	482.6	327.8	225.5	173.9	149.1	136.7	129.0	124.2	121.4	121.4
72.5°	489.3	331.6	228.4	177.7	152.9	140.5	132.8	128.1	125.2	125.2
75°	495.0	334.5	231.3	180.6	155.8	144.3	136.7	131.9	129.0	128.1
77.5°	501.7	338.3	235.1	183.5	159.6	148.1	140.5	135.7	131.9	131.9
80°	506.5	340.2	238.0	186.3	163.4	151.0	143.3	138.6	135.7	134.7
82.5°	511.3	344.0	240.8	189.2	166.3	153.9	146.2	141.4	138.6	137.6
85°	514.1	345.9	242.7	192.1	169.1	156.7	149.1	143.3	140.5	139.5
87.5°	517.0	348.8	245.6	195.0	172.0	159.6	151.9	146.2	142.4	141.4
88°	518.0	349.8	247.5	195.9	172.0	160.5	151.9	146.2	143.3	142.4
90°	519.9	351.7	249.4	197.8	173.9	161.5	153.9	147.2	144.3	143.3
92.5°	520.8	353.6	251.3	199.7	176.8	163.4	154.8	149.1	145.3	144.3
95°	522.7	355.5	254.2	202.6	178.7	165.3	155.8	150.0	146.2	145.3
97.5°	522.7	357.4	257.1	204.5	179.7	166.3	156.7	150.0	146.2	145.3
100°	522.7	359.3	259.9	206.4	181.6	166.3	156.7	150.0	146.2	145.3
102.5°	521.8	362.2	262.8	209.3	182.5	167.2	156.7	149.1	145.3	145.3
105°	520.8	364.1	265.7	212.2	184.4	167.2	155.8	148.1	144.3	144.3
107.5°	520.8	367.9	270.4	215.0	185.4	167.2	154.8	147.2	143.3	142.4



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	519.9	371.7	276.2	219.8	188.3	168.2	154.8	146.2	141.4	141.4
112.5°	518.9	376.5	281.0	223.6	190.2	168.2	153.9	144.3	140.5	139.5
115°	519.9	381.3	287.6	228.4	193.0	169.1	152.9	143.3	138.6	137.6
117.5°	518.0	386.1	294.3	234.1	195.9	170.1	152.9	142.4	136.7	136.7
120°	517.0	390.9	301.0	241.8	199.7	171.1	151.9	140.5	135.7	134.7
122.5°	515.1	395.6	307.7	247.5	203.6	173.0	151.9	139.5	133.8	133.8
125°	512.2	398.5	312.5	252.3	206.4	173.9	151.9	139.5	132.8	131.9
127.5°	507.4	400.4	318.2	257.1	209.3	175.8	151.9	138.6	131.9	130.9
130°	501.7	401.4	321.1	260.9	212.2	176.8	152.9	138.6	131.9	130.9
132.5°	493.1	400.4	323.0	263.8	215.0	178.7	153.9	138.6	131.9	130.9
135°	484.5	397.5	324.0	265.7	216.9	180.6	154.8	138.6	131.9	130.9
137.5°	472.1	392.8	324.0	266.6	217.9	181.6	155.8	139.5	132.8	131.9
140°	458.7	385.1	320.1	266.6	218.8	183.5	157.7	141.4	133.8	132.8
142.5°	443.4	377.5	317.3	264.7	218.8	184.4	158.6	142.4	134.7	134.7
145°	427.2	367.9	311.5	263.8	218.8	185.4	160.5	144.3	136.7	136.7
147.5°	410.9	357.4	305.8	260.9	218.8	186.3	162.5	147.2	139.5	138.6
150°	392.8	344.0	297.2	255.2	216.9	186.3	163.4	149.1	141.4	140.5
152.5°	372.7	329.7	288.6	250.4	214.1	186.3	165.3	151.0	144.3	144.3
155°	352.6	314.4	278.1	243.7	212.2	187.3	168.2	154.8	148.1	148.1
157.5°	331.6	300.1	267.6	237.0	209.3	187.3	170.1	158.6	152.9	151.9
160°	311.5	284.8	257.1	229.4	206.4	187.3	172.0	161.5	156.7	155.8
162.5°	290.5	267.6	244.6	221.7	201.6	185.4	173.0	164.4	159.6	159.6
165°	269.5	251.3	230.3	213.1	196.9	184.4	173.9	166.3	162.5	162.5
167.5°	252.3	236.0	219.8	205.5	194.0	183.5	174.9	169.1	166.3	166.3
170°	235.1	222.7	211.2	200.7	191.1	182.5	176.8	173.0	170.1	170.1
172.5°	221.7	213.1	204.5	196.9	190.2	184.4	179.7	176.8	174.9	174.9
175°	212.2	206.4	201.6	195.9	192.1	188.3	185.4	183.5	182.5	183.5
177.5°	207.4	204.5	201.6	198.8	197.8	195.9	194.0	193.0	193.0	194.0
180°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4

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