

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: P256843

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256843
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-A6-D-U-SYM-VMx-7030-HSS-BK
Description: UTILITY LIGHT ACORN SYMMETRIC W/ HSS
Light Source: (90) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4552.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 2.17')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - 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



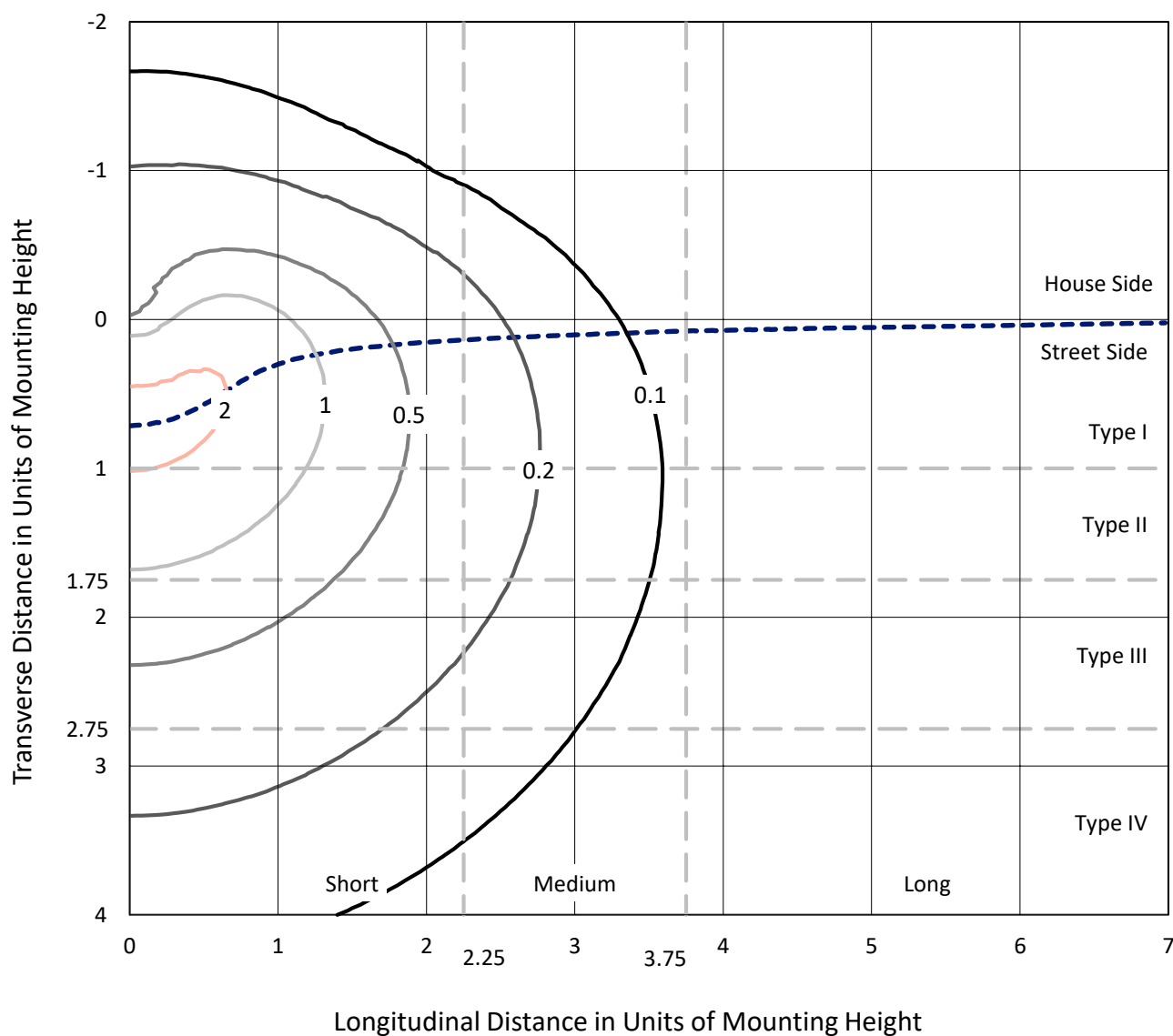
REPORT NUMBER: P256843

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

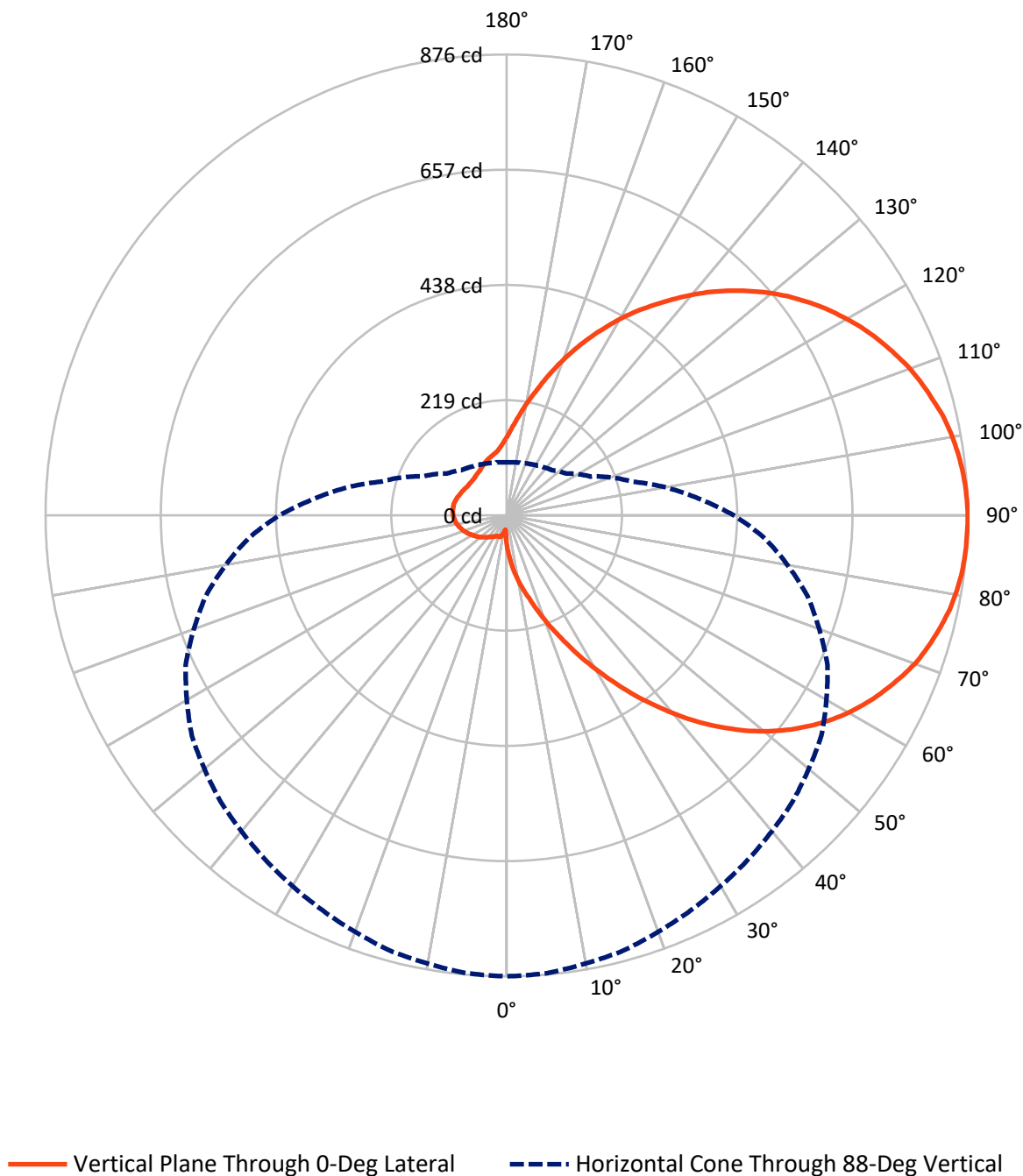


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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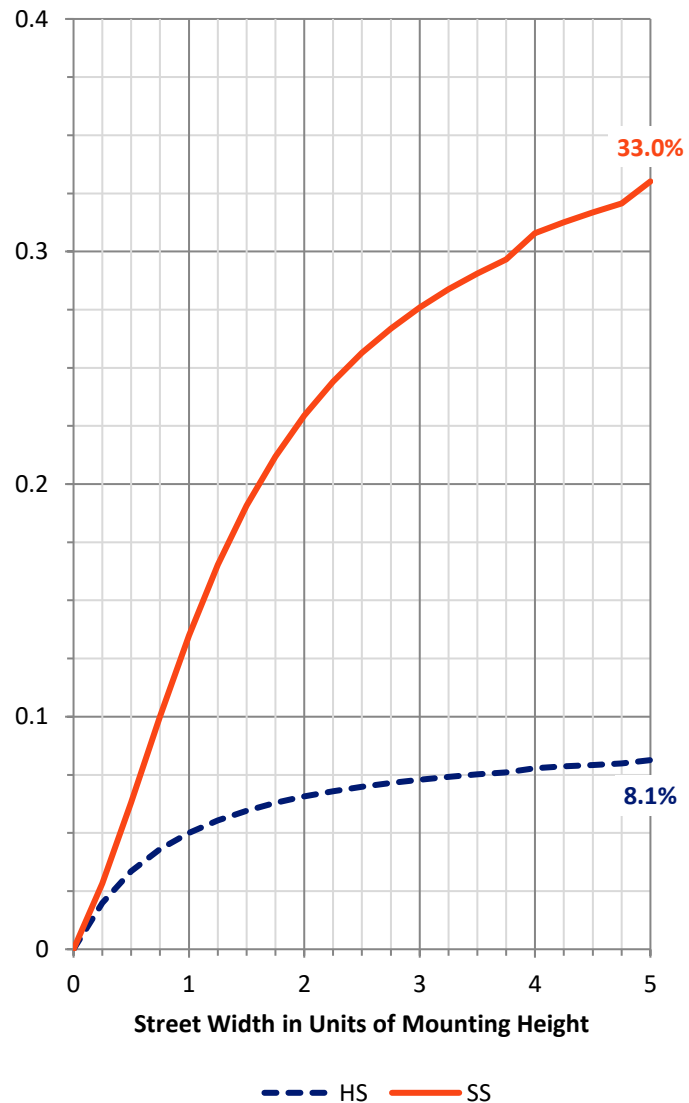
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.7	540.3	952.0
	% Fixture	9.0	11.9	20.9
Street Side	Lumens	1762.8	1837.8	3600.6
	% Fixture	38.7	40.4	79.1
Total	Lumens	2174.5	2378.2	4552.6
	% Fixture	47.8	52.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	30.8	0.7
20°-30°	77.4	1.7
30°-40°	150.6	3.3
40°-50°	239.3	5.3
50°-60°	326.0	7.2
60°-70°	400.4	8.8
70°-80°	456.4	10.0
80°-90°	487.2	10.7
90°-100°	490.1	10.8
100°-110°	464.9	10.2
110°-120°	417.4	9.2
120°-130°	353.4	7.8
130°-140°	275.3	6.0
140°-150°	191.7	4.2
150°-160°	115.4	2.5
160°-170°	55.1	1.2
170°-180°	15.0	0.3
0°-90°	2174.5	47.8
0°-180°	4552.6	100.0

Coefficient of Utilization



REPORT NUMBER: P256843

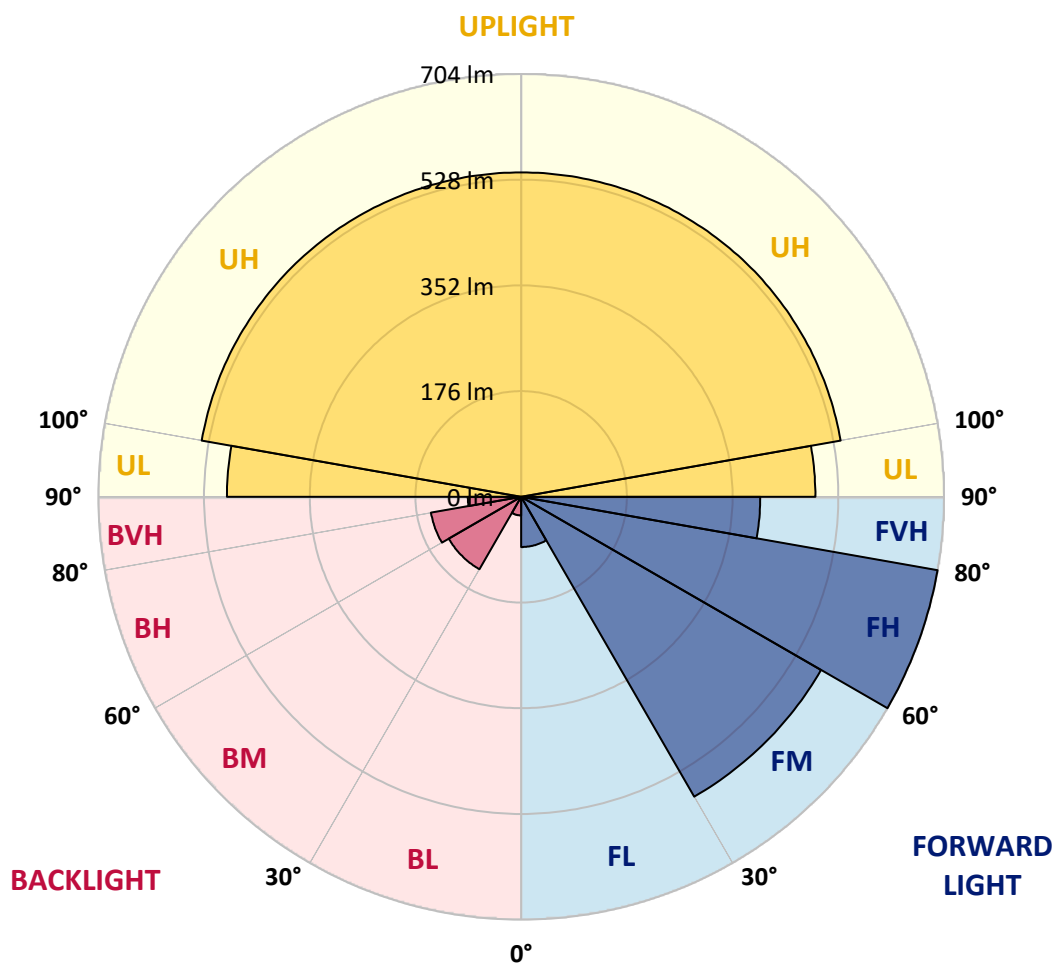
CATALOG NUMBER: ULA-A6-D-U-SYM-VMx-7030-HSS-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.6	1.8			
FM	(30°-60°)	576.7	12.7			
FH	(60°-80°)	704.3	15.5			G1/1800
FVH	(80°-90°)	398.2	8.7			G3/500
BL	(0°-30°)	31.0	0.7	B0/110		
BM	(30°-60°)	139.2	3.1	B0/220		
BH	(60°-80°)	152.5	3.3	B1/500		G1/500
BVH	(80°-90°)	88.9	2.0			G1/100
UL	(90°-100°)	490.1	10.8		U3/500	
UH	(100°-180°)	540.3	11.9		U4/1000	

BUG Rating: B1-U5-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2.5°	72.2	72.2	70.9	71.6	69.5	68.2	65.5	62.8	60.8	58.1	56.7
5°	91.8	90.5	89.1	87.8	84.4	81.0	77.6	72.9	68.2	63.5	60.8
7.5°	110.1	109.4	106.7	104.7	100.6	96.6	91.8	85.7	80.3	74.3	70.9
10°	128.3	127.6	124.9	122.9	118.2	114.1	108.0	101.3	94.5	86.4	82.4
12.5°	146.5	145.8	143.1	141.8	137.7	133.0	126.3	117.5	109.4	99.9	95.2
15°	165.4	165.4	164.7	162.0	157.3	152.6	145.8	135.7	125.6	114.1	108.7
17.5°	190.4	189.0	187.0	185.0	180.9	175.5	165.4	156.0	143.1	129.6	121.5
20°	216.1	214.7	213.4	210.7	205.3	199.9	189.7	178.2	162.0	145.8	135.7
22.5°	243.7	242.4	241.0	238.3	232.9	226.9	216.1	202.6	185.7	164.7	151.9
25°	274.1	274.1	272.1	269.4	263.3	257.2	244.4	229.6	210.0	185.0	170.8
27.5°	308.6	306.5	305.9	302.5	297.1	289.7	276.1	258.6	235.6	206.6	191.1
30°	343.0	342.3	341.6	337.6	331.5	323.4	307.9	289.7	262.0	228.2	210.0
32.5°	380.1	380.8	378.1	373.4	366.6	357.8	341.0	319.4	289.7	249.8	228.9
35°	420.0	419.3	415.2	411.9	403.1	392.3	373.4	349.1	315.3	270.7	247.1
37.5°	458.4	459.1	455.1	449.7	439.5	427.4	406.5	378.8	339.6	291.0	264.7
40°	498.3	499.0	494.2	486.1	475.3	461.1	438.2	407.8	364.6	310.6	280.2
42.5°	537.4	537.4	532.7	524.6	509.8	493.6	468.6	435.5	387.6	328.1	295.7
45°	574.6	574.6	568.5	558.4	542.2	523.9	496.9	460.5	408.5	344.3	309.2
47.5°	611.0	610.4	603.6	590.1	574.6	553.6	525.3	483.4	428.7	359.9	321.4
50°	644.8	644.8	635.3	620.5	600.9	580.0	549.6	505.7	447.6	374.0	332.9
52.5°	675.9	675.2	665.1	648.8	627.2	605.0	572.6	526.0	463.8	386.9	343.7
55°	704.2	703.5	692.1	673.8	651.5	627.2	593.5	544.9	480.1	399.0	353.1
57.5°	730.5	729.9	716.4	696.1	673.8	648.2	613.1	562.4	494.9	410.5	362.6
60°	754.2	752.8	739.3	717.0	693.4	667.1	632.0	579.3	508.4	420.6	371.3
62.5°	775.1	773.8	758.9	735.9	711.0	684.0	646.8	593.5	520.6	430.8	378.8
65°	794.0	792.7	777.8	752.8	727.2	699.5	661.7	607.0	532.0	439.5	386.9
67.5°	811.6	810.2	793.3	767.7	742.0	713.7	675.9	619.8	542.8	448.3	394.3
70°	827.8	825.1	807.5	781.9	754.2	725.1	688.0	631.3	553.0	456.4	401.1
72.5°	839.9	837.9	820.3	793.3	765.7	737.3	698.8	640.7	562.4	463.8	407.1
75°	850.7	849.4	831.1	803.5	775.1	746.1	708.3	648.8	569.9	471.3	413.2
77.5°	860.2	857.5	839.9	812.2	783.2	753.5	715.7	656.9	576.6	476.7	417.9
80°	866.9	864.9	846.7	818.3	789.3	759.6	721.8	663.0	582.0	481.4	422.0
82.5°	871.7	869.0	851.4	823.0	794.0	763.6	725.8	666.4	586.1	485.5	426.0
85°	874.4	872.3	854.1	826.4	796.7	766.3	728.5	669.8	589.4	488.8	428.7
87.5°	875.0	873.7	856.1	827.8	798.1	768.4	729.9	671.8	591.5	490.9	430.8
88°	875.7	873.0	856.1	827.8	798.7	768.4	729.9	672.5	591.5	491.5	431.4
90°	875.7	873.0	856.1	828.4	798.7	767.7	730.5	673.2	592.1	492.2	432.8
92.5°	873.7	871.7	854.8	827.8	798.1	767.0	729.9	672.5	592.8	493.6	434.1
95°	870.3	868.3	852.1	825.1	795.4	765.0	727.8	671.1	592.1	493.6	434.1
97.5°	864.9	862.9	847.3	820.3	791.3	760.9	723.8	668.4	590.1	492.9	434.1
100°	858.2	856.1	840.6	814.3	785.2	755.5	719.1	665.1	587.4	491.5	433.5
102.5°	849.4	846.7	831.8	806.2	778.5	748.8	713.0	659.0	583.4	488.8	432.1
105°	837.2	835.9	821.7	796.7	768.4	740.0	704.9	652.9	578.6	485.5	429.4
107.5°	825.7	823.7	809.5	785.2	758.9	731.2	696.8	645.5	573.2	482.1	427.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	812.2	810.2	796.0	773.1	746.7	720.4	686.7	637.4	567.1	478.0	425.4
112.5°	796.0	794.7	780.5	758.9	733.9	708.9	676.5	628.6	560.4	474.0	422.7
115°	779.8	777.8	764.3	744.0	719.7	696.1	665.1	618.5	552.3	469.2	420.0
117.5°	762.3	760.3	746.7	727.2	704.9	681.9	652.2	607.7	544.2	463.8	416.6
120°	742.0	740.7	727.8	709.6	689.4	667.1	638.0	596.2	535.4	458.4	413.2
122.5°	721.8	719.7	708.3	691.4	672.5	651.5	623.9	584.0	525.3	451.7	409.2
125°	699.5	698.1	687.3	671.8	654.2	634.7	608.3	569.2	514.5	444.9	404.4
127.5°	676.5	674.5	664.4	650.2	634.7	615.8	591.5	555.0	503.0	436.2	399.0
130°	651.5	650.2	640.7	627.9	612.4	595.5	572.6	538.1	489.5	426.7	391.6
132.5°	625.2	623.9	615.8	605.0	589.4	573.9	552.3	519.2	474.0	415.9	383.5
135°	598.2	597.5	590.1	580.0	565.8	551.6	530.7	500.3	458.4	404.4	374.0
137.5°	570.5	569.9	563.1	553.0	542.2	527.3	507.7	479.4	440.9	390.9	362.6
140°	540.8	540.1	534.7	525.3	513.8	501.7	482.8	457.1	421.3	375.4	350.4
142.5°	511.1	510.4	505.7	499.0	488.2	475.3	457.8	433.5	401.7	359.9	336.9
145°	482.1	481.4	477.4	470.6	460.5	449.0	432.1	411.2	381.5	343.7	323.4
147.5°	454.4	453.0	449.7	444.3	434.8	423.3	407.8	388.2	361.2	327.5	309.2
150°	424.7	424.0	420.0	415.9	406.5	397.0	382.2	365.3	340.3	309.9	293.7
152.5°	395.0	394.3	391.6	386.9	378.8	370.0	356.5	341.0	319.4	292.4	278.2
155°	365.9	365.3	362.6	359.2	351.1	343.0	330.8	316.7	297.1	274.1	261.3
157.5°	336.9	336.9	335.6	331.5	324.1	316.7	304.5	293.7	276.1	255.9	245.8
160°	308.6	308.6	307.9	303.8	297.8	291.0	280.2	269.4	255.9	238.3	229.6
162.5°	280.9	279.5	280.2	277.5	271.4	266.0	256.6	247.8	235.0	220.1	212.7
165°	254.5	253.9	254.5	251.8	246.4	241.7	232.9	226.2	215.4	202.6	197.2
167.5°	230.9	230.9	230.2	228.2	223.5	219.4	212.7	206.6	197.8	187.7	183.0
170°	210.0	208.6	209.3	207.3	203.9	200.5	194.5	189.0	182.3	174.2	170.8
172.5°	190.4	189.0	189.7	187.7	185.7	183.0	178.9	174.2	168.8	161.4	159.3
175°	172.8	172.2	172.2	170.8	169.5	167.4	163.4	160.7	157.3	153.3	151.9
177.5°	157.3	156.0	156.6	156.0	155.3	154.6	153.3	151.9	149.9	147.9	147.2
180°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2.5°	55.4	52.7	49.3	45.9	42.5	39.8	38.5	36.5	36.5	35.1
5°	58.1	52.7	47.3	42.5	37.8	33.8	30.4	28.4	27.7	27.7
7.5°	67.5	61.4	54.7	48.6	43.2	38.5	34.4	31.1	29.7	29.0
10°	78.3	70.9	62.1	55.4	49.3	43.2	38.5	35.1	33.8	33.8
12.5°	89.8	80.3	70.2	61.4	53.3	47.3	42.5	39.8	38.5	37.8
15°	102.0	89.8	77.6	66.8	58.1	50.6	45.9	43.2	41.9	41.2
17.5°	114.1	99.3	85.1	72.2	61.4	54.0	47.9	43.9	42.5	42.5
20°	126.9	108.7	91.8	77.0	64.8	55.4	48.6	44.6	42.5	42.5
22.5°	141.8	119.5	98.6	81.7	67.5	57.4	50.0	45.2	42.5	42.5
25°	157.3	131.0	106.7	86.4	70.9	59.4	51.3	45.9	43.9	43.2
27.5°	174.9	142.5	114.8	91.1	74.3	61.4	52.7	47.3	44.6	44.6
30°	191.8	153.3	121.5	95.9	77.0	63.5	54.0	48.6	45.9	45.9
32.5°	208.0	164.1	127.6	99.9	79.7	65.5	56.0	50.0	47.9	47.3
35°	222.8	174.2	133.0	102.6	81.7	67.5	58.1	52.0	49.3	49.3
37.5°	237.0	183.0	137.7	105.3	83.7	68.9	60.1	54.0	51.3	51.3
40°	249.8	190.4	141.1	107.4	85.1	70.9	62.1	56.0	54.0	53.3
42.5°	262.0	196.5	143.8	108.7	86.4	72.9	64.1	58.7	56.0	56.0
45°	272.1	201.9	146.5	110.1	87.8	74.3	66.2	60.8	58.7	58.1
47.5°	281.5	206.6	147.9	111.4	89.1	76.3	68.2	63.5	61.4	60.8
50°	290.3	210.0	149.2	112.1	90.5	78.3	70.2	66.2	64.1	63.5
52.5°	298.4	213.4	149.9	112.8	91.8	79.7	72.9	68.2	66.2	66.2
55°	305.2	216.7	151.2	114.1	93.2	82.4	74.9	71.6	69.5	68.9
57.5°	312.6	219.4	152.6	114.8	95.2	84.4	77.6	74.3	72.2	71.6
60°	318.7	222.1	153.9	116.1	96.6	86.4	80.3	77.0	74.9	74.3
62.5°	324.8	224.2	154.6	117.5	98.6	89.1	83.0	79.7	77.6	77.0
65°	330.2	226.9	156.6	119.5	100.6	91.1	85.7	82.4	80.3	80.3
67.5°	335.6	229.6	158.0	120.9	103.3	93.8	88.4	85.1	83.0	83.0
70°	341.0	231.6	159.3	122.9	105.3	96.6	91.1	87.8	85.7	85.7
72.5°	345.7	234.3	161.4	125.6	108.0	99.3	93.8	90.5	88.4	88.4
75°	349.7	236.3	163.4	127.6	110.1	102.0	96.6	93.2	91.1	90.5
77.5°	354.5	239.0	166.1	129.6	112.8	104.7	99.3	95.9	93.2	93.2
80°	357.8	240.4	168.1	131.7	115.5	106.7	101.3	97.9	95.9	95.2
82.5°	361.2	243.1	170.1	133.7	117.5	108.7	103.3	99.9	97.9	97.2
85°	363.2	244.4	171.5	135.7	119.5	110.7	105.3	101.3	99.3	98.6
87.5°	365.3	246.4	173.5	137.7	121.5	112.8	107.4	103.3	100.6	99.9
88°	365.9	247.1	174.9	138.4	121.5	113.4	107.4	103.3	101.3	100.6
90°	367.3	248.5	176.2	139.8	122.9	114.1	108.7	104.0	102.0	101.3
92.5°	368.0	249.8	177.6	141.1	124.9	115.5	109.4	105.3	102.6	102.0
95°	369.3	251.2	179.6	143.1	126.3	116.8	110.1	106.0	103.3	102.6
97.5°	369.3	252.5	181.6	144.5	126.9	117.5	110.7	106.0	103.3	102.6
100°	369.3	253.9	183.6	145.8	128.3	117.5	110.7	106.0	103.3	102.6
102.5°	368.6	255.9	185.7	147.9	129.0	118.2	110.7	105.3	102.6	102.6
105°	368.0	257.2	187.7	149.9	130.3	118.2	110.1	104.7	102.0	102.0
107.5°	368.0	259.9	191.1	151.9	131.0	118.2	109.4	104.0	101.3	100.6



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	367.3	262.6	195.1	155.3	133.0	118.8	109.4	103.3	99.9	99.9
112.5°	366.6	266.0	198.5	158.0	134.4	118.8	108.7	102.0	99.3	98.6
115°	367.3	269.4	203.2	161.4	136.4	119.5	108.0	101.3	97.9	97.2
117.5°	365.9	272.8	208.0	165.4	138.4	120.2	108.0	100.6	96.6	96.6
120°	365.3	276.1	212.7	170.8	141.1	120.9	107.4	99.3	95.9	95.2
122.5°	363.9	279.5	217.4	174.9	143.8	122.2	107.4	98.6	94.5	94.5
125°	361.9	281.5	220.8	178.2	145.8	122.9	107.4	98.6	93.8	93.2
127.5°	358.5	282.9	224.8	181.6	147.9	124.2	107.4	97.9	93.2	92.5
130°	354.5	283.6	226.9	184.3	149.9	124.9	108.0	97.9	93.2	92.5
132.5°	348.4	282.9	228.2	186.3	151.9	126.3	108.7	97.9	93.2	92.5
135°	342.3	280.9	228.9	187.7	153.3	127.6	109.4	97.9	93.2	92.5
137.5°	333.5	277.5	228.9	188.4	153.9	128.3	110.1	98.6	93.8	93.2
140°	324.1	272.1	226.2	188.4	154.6	129.6	111.4	99.9	94.5	93.8
142.5°	313.3	266.7	224.2	187.0	154.6	130.3	112.1	100.6	95.2	95.2
145°	301.8	259.9	220.1	186.3	154.6	131.0	113.4	102.0	96.6	96.6
147.5°	290.3	252.5	216.1	184.3	154.6	131.7	114.8	104.0	98.6	97.9
150°	277.5	243.1	210.0	180.3	153.3	131.7	115.5	105.3	99.9	99.3
152.5°	263.3	232.9	203.9	176.9	151.2	131.7	116.8	106.7	102.0	102.0
155°	249.1	222.1	196.5	172.2	149.9	132.3	118.8	109.4	104.7	104.7
157.5°	234.3	212.0	189.0	167.4	147.9	132.3	120.2	112.1	108.0	107.4
160°	220.1	201.2	181.6	162.0	145.8	132.3	121.5	114.1	110.7	110.1
162.5°	205.3	189.0	172.8	156.6	142.5	131.0	122.2	116.1	112.8	112.8
165°	190.4	177.6	162.7	150.6	139.1	130.3	122.9	117.5	114.8	114.8
167.5°	178.2	166.8	155.3	145.2	137.1	129.6	123.6	119.5	117.5	117.5
170°	166.1	157.3	149.2	141.8	135.0	129.0	124.9	122.2	120.2	120.2
172.5°	156.6	150.6	144.5	139.1	134.4	130.3	126.9	124.9	123.6	123.6
175°	149.9	145.8	142.5	138.4	135.7	133.0	131.0	129.6	129.0	129.6
177.5°	146.5	144.5	142.5	140.4	139.8	138.4	137.1	136.4	136.4	137.1
180°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8

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