

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: LUMARK

Report Number: P1554988

Luminaire Tested: **AXCL12ARL-C**

Issue Date: 9/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1554988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-354-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCL12ARL-C
Description: Axcent Wall Mount Luminaire , Refractive Lens, 5000K LEDs
Light Source: -
Ballast/Driver: -

Summary

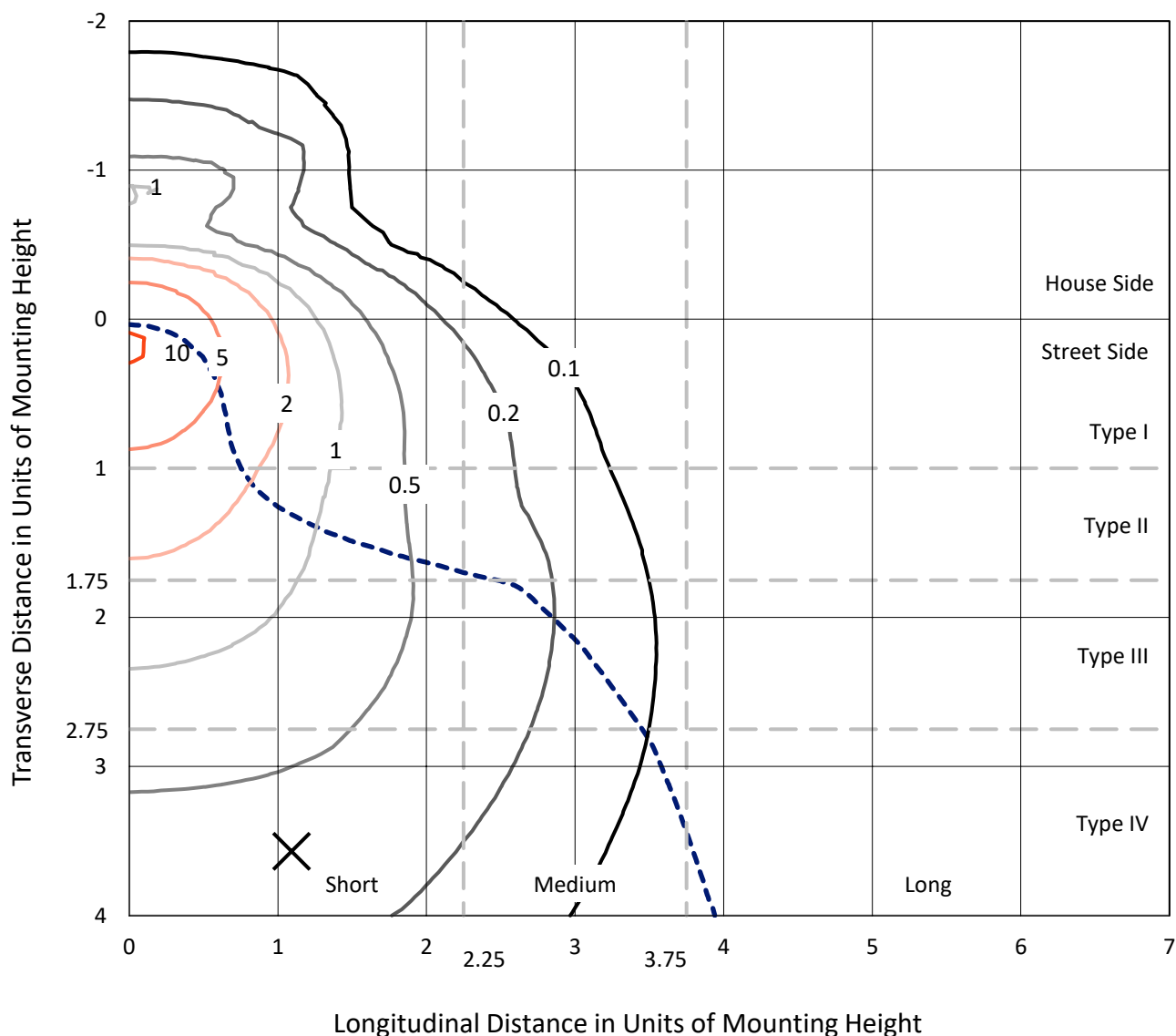
Lumens per Lamp: N/A
Luminaire Lumens: 16434 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')
IES Classification: Type IV - Short
BUG Rating: B2 - U5 - G5

Input Watts (W): 115.3
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

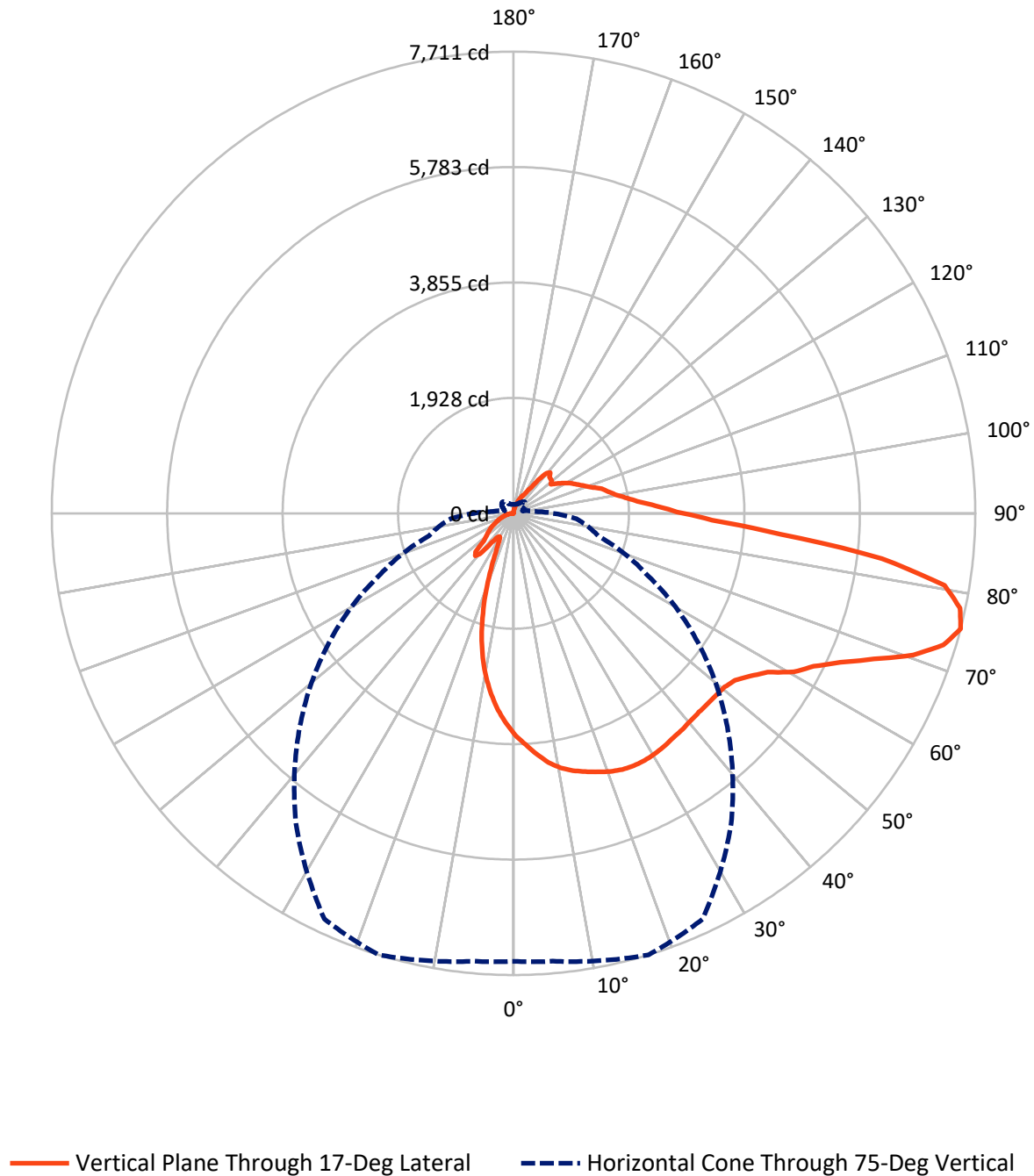
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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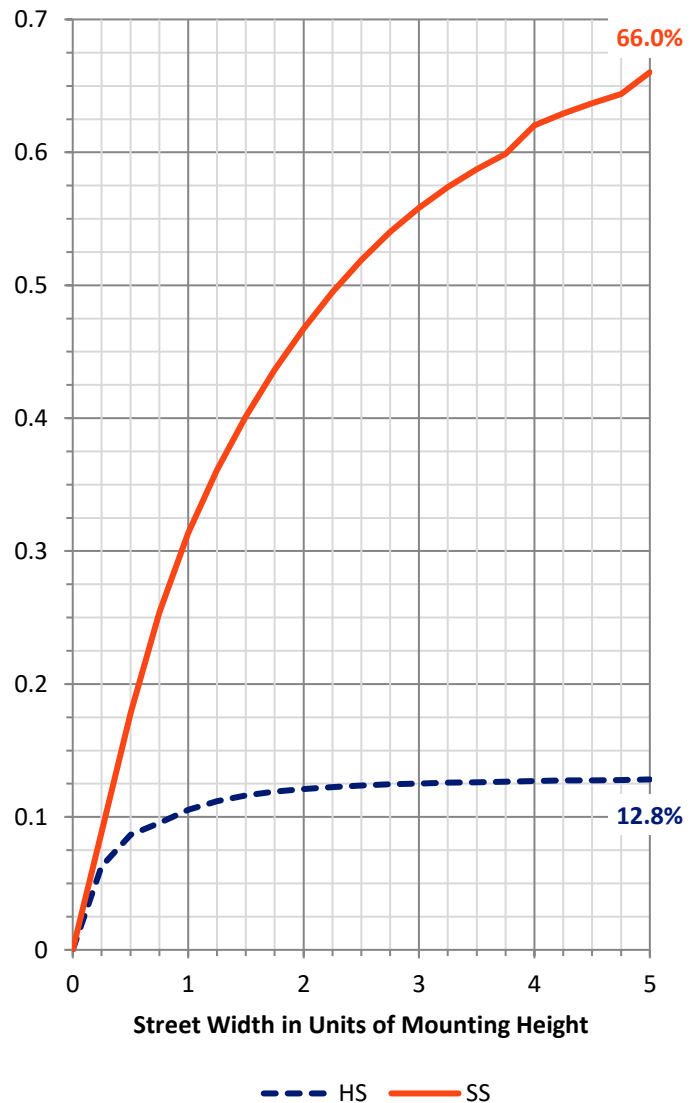
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2146.7	129.6	2276.3
	% Fixture	13.1	0.8	13.9
Street Side	Lumens	11869.9	2287.8	14157.7
	% Fixture	72.2	13.9	86.1
Total	Lumens	14016.6	2417.4	16434.0
	% Fixture	85.3	14.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.1	2.1
10°-20°	955.4	5.8
20°-30°	1332.2	8.1
30°-40°	1566.0	9.5
40°-50°	1747.5	10.6
50°-60°	1842.1	11.2
60°-70°	2155.5	13.1
70°-80°	2541.5	15.5
80°-90°	1528.3	9.3
90°-100°	774.9	4.7
100°-110°	543.6	3.3
110°-120°	394.3	2.4
120°-130°	279.5	1.7
130°-140°	232.0	1.4
140°-150°	126.7	0.8
150°-160°	49.8	0.3
160°-170°	15.2	0.1
170°-180°	1.5	0.0
0°-90°	14016.6	85.3
0°-180°	16434.0	100.0



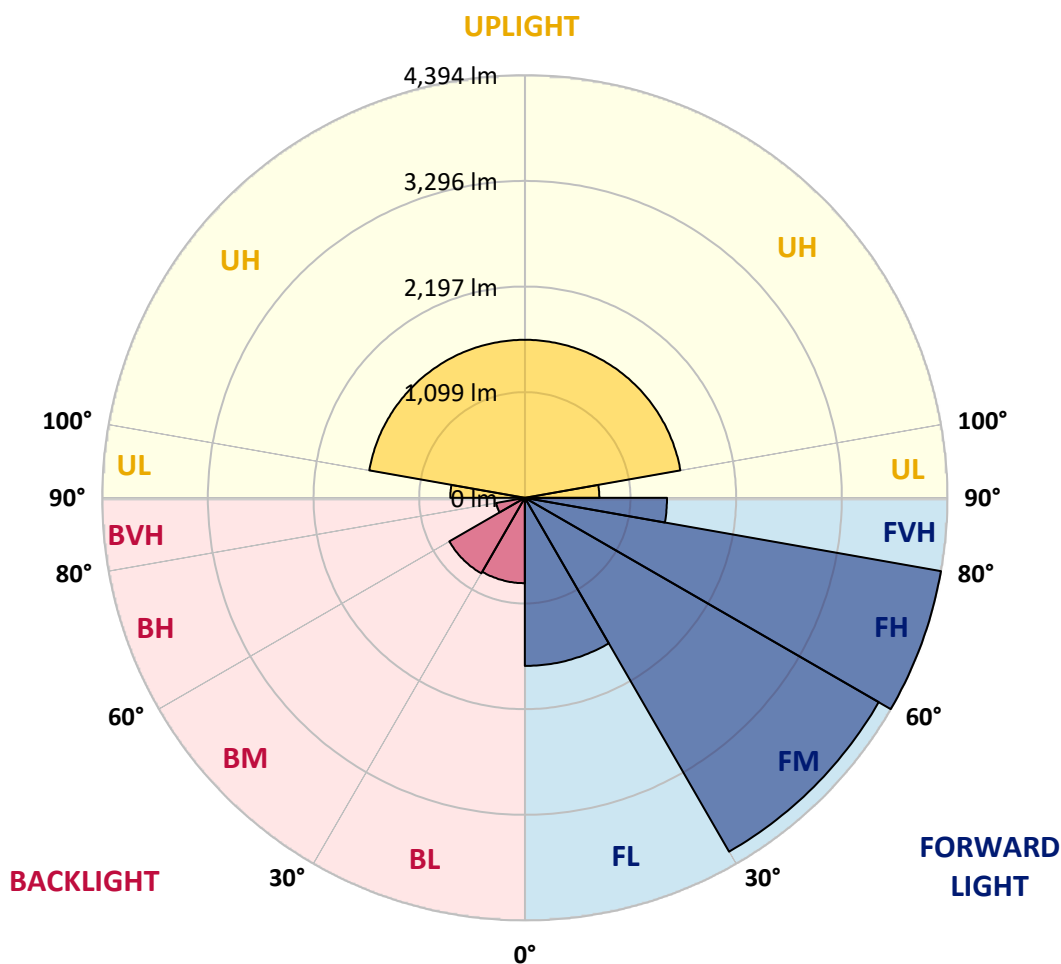
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1748.1	10.6			
FM	(30°-60°)	4249.0	25.9			
FH	(60°-80°)	4394.2	26.7			G2/5000
FVH	(80°-90°)	1478.6	9.0			G5
BL	(0°-30°)	887.6	5.4	B2/1000		
BM	(30°-60°)	906.6	5.5	B1/1000		
BH	(60°-80°)	302.8	1.8	B1/500		G1/500
BVH	(80°-90°)	49.7	0.3			G1/100
UL	(90°-100°)	774.9	4.7		U4/1000	
UH	(100°-180°)	1642.6	10.0		U5	

BUG Rating: B2-U5-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
0°	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2
2.5°	3890.0	3883.4	3873.9	3869.2	3857.8	3845.5	3828.5	3801.0	3776.3	3741.3	3717.6
5°	4056.8	4058.7	4042.6	4040.7	4010.4	3984.8	3936.5	3891.0	3844.6	3777.3	3720.4
7.5°	4233.9	4222.6	4206.5	4203.6	4168.6	4123.1	4063.4	3976.2	3892.9	3801.9	3711.9
10°	4355.2	4348.6	4330.6	4323.9	4298.4	4245.3	4161.0	4058.7	3941.2	3812.3	3691.1
12.5°	4440.5	4432.9	4413.9	4410.2	4379.8	4324.9	4239.6	4122.1	3978.1	3808.6	3655.1
15°	4512.5	4503.9	4482.2	4477.4	4434.8	4377.9	4286.0	4161.9	3999.0	3797.2	3609.6
17.5°	4586.4	4576.9	4549.4	4540.0	4492.6	4415.8	4305.9	4176.1	4004.7	3773.5	3554.7
20°	4652.7	4642.3	4612.0	4603.4	4541.8	4448.1	4313.5	4171.4	3993.3	3739.4	3483.6
22.5°	4696.3	4686.8	4653.6	4648.0	4581.6	4470.8	4316.4	4148.7	3963.9	3692.0	3400.2
25°	4717.1	4707.6	4677.3	4668.8	4597.7	4480.3	4309.7	4117.4	3916.6	3628.6	3307.4
27.5°	4722.8	4714.3	4680.2	4670.7	4594.9	4469.8	4291.7	4077.6	3849.3	3551.8	3202.2
30°	4713.3	4704.8	4669.7	4658.4	4575.0	4442.4	4253.8	4020.8	3767.8	3466.5	3091.4
32.5°	4700.1	4689.6	4645.1	4631.8	4539.0	4399.7	4196.0	3949.7	3675.9	3369.9	2958.7
35°	4679.2	4666.9	4612.9	4597.7	4496.4	4338.2	4125.9	3870.1	3585.0	3260.0	2836.5
37.5°	4684.0	4668.8	4601.5	4579.7	4454.7	4266.2	4049.2	3783.9	3484.5	3152.0	2704.8
40°	4670.7	4653.6	4574.1	4553.2	4424.4	4200.8	3945.0	3685.4	3390.8	3041.2	2583.6
42.5°	4681.1	4664.1	4569.3	4539.0	4375.1	4122.1	3849.3	3590.7	3274.2	2925.6	2433.9
45°	4704.8	4684.0	4574.1	4538.1	4340.0	4038.8	3761.2	3485.5	3172.8	2789.2	2298.4
47.5°	4701.0	4685.9	4576.9	4545.6	4325.8	3974.4	3665.5	3391.7	3045.0	2659.4	2156.3
50°	4764.5	4735.1	4599.6	4563.6	4320.2	3933.6	3583.1	3293.2	2916.1	2497.4	2011.3
52.5°	4865.9	4833.6	4676.4	4629.0	4362.8	3911.8	3505.4	3190.9	2806.2	2359.0	1876.8
55°	5073.3	5025.0	4850.7	4797.6	4480.3	3942.1	3430.5	3096.1	2690.6	2235.9	1721.4
57.5°	5319.7	5312.1	5067.7	5004.2	4658.4	4022.7	3429.6	2979.6	2595.9	2107.0	1603.0
60°	5667.4	5642.7	5440.9	5378.4	4971.0	4194.1	3504.4	2900.0	2508.7	2002.8	1492.2
62.5°	5926.9	5879.6	5669.3	5622.8	5329.1	4498.3	3628.6	2894.3	2412.1	1916.6	1380.4
65°	6307.8	6250.0	6055.8	5999.9	5625.7	4867.8	3900.5	2953.1	2292.7	1851.2	1297.9
67.5°	6712.3	6682.0	6538.0	6487.8	6237.7	5413.5	4280.4	3135.9	2204.6	1805.7	1208.9
70°	7136.8	7119.7	7077.1	7085.6	6949.2	6083.3	4847.9	3485.5	2240.6	1775.4	1138.8
72.5°	7347.1	7331.0	7466.5	7509.1	7465.5	6479.3	5226.8	3957.3	2376.1	1651.3	1092.4
75°	7482.6	7509.1	7677.7	7710.9	7476.0	6334.3	5048.7	3757.4	2484.1	1465.6	1056.4
77.5°	7573.5	7589.6	7662.6	7622.8	7095.1	5752.6	4563.6	3385.1	2291.8	1332.0	1008.0
80°	7500.6	7503.4	7426.7	7298.8	6441.4	5060.1	3760.2	2724.7	1952.6	1136.9	862.1
82.5°	7040.1	6971.0	6463.2	6196.0	5182.3	3771.6	2514.4	1909.0	1588.8	1019.4	590.2
85°	5708.1	5643.7	4674.5	4468.9	3682.6	2710.5	2055.9	1678.8	1409.7	992.9	377.1
87.5°	4019.8	3963.0	3467.5	3315.9	2904.7	2264.3	1843.6	1534.8	1270.5	924.7	230.2
90°	3184.2	3118.8	2799.6	2727.6	2454.7	2024.6	1665.5	1386.0	1135.0	785.4	189.5
92.5°	2646.1	2606.3	2404.5	2374.2	2176.2	1837.0	1531.9	1265.7	1002.4	619.6	169.6
95°	2244.4	2236.8	2088.1	2076.7	1965.9	1698.7	1423.9	1188.0	870.7	470.9	162.0
97.5°	1976.3	1952.6	1869.2	1883.4	1814.3	1564.2	1313.1	1111.3	740.9	383.7	171.5
100°	1775.4	1764.1	1703.4	1725.2	1669.3	1465.6	1234.5	1010.9	648.0	328.7	182.8
102.5°	1640.0	1629.5	1589.7	1617.2	1568.0	1368.0	1159.6	917.1	584.5	322.1	192.3
105°	1528.2	1521.5	1503.5	1531.0	1483.6	1270.5	1067.7	842.2	528.7	325.9	199.9
107.5°	1419.2	1407.8	1379.4	1397.4	1335.8	1169.1	972.0	772.1	510.6	332.5	203.7
110°	1274.3	1274.3	1273.3	1290.4	1243.0	1087.6	897.2	692.6	507.8	335.4	203.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
112.5°	1207.0	1201.3	1199.4	1210.8	1150.1	999.5	847.0	639.5	472.8	332.5	198.0
115°	1138.8	1132.1	1135.0	1135.9	1076.2	926.6	778.8	611.1	445.3	321.2	187.6
117.5°	1079.1	1075.3	1075.3	1074.4	996.7	870.7	701.1	580.8	423.5	300.3	174.3
120°	1006.1	1001.4	995.7	995.7	930.3	792.0	661.3	520.1	397.0	286.1	162.0
122.5°	935.1	930.3	918.0	918.0	847.9	715.3	637.6	500.2	389.4	270.0	150.6
125°	868.8	865.0	854.6	848.9	773.1	725.7	588.3	484.1	376.1	261.5	139.3
127.5°	817.6	811.0	793.0	788.2	789.2	713.4	583.6	467.1	379.9	249.2	128.8
130°	855.5	841.3	840.3	838.5	801.5	686.9	604.4	494.5	379.0	241.6	118.4
132.5°	878.2	873.5	851.7	845.1	787.3	731.4	593.1	497.4	376.1	231.2	108.0
135°	883.0	878.2	856.5	855.5	834.7	732.3	643.3	515.4	367.6	217.9	97.6
137.5°	928.5	927.5	919.9	916.1	846.0	744.7	639.5	503.1	346.7	198.0	89.1
140°	911.4	907.6	876.3	868.8	816.7	743.7	615.8	464.2	301.3	171.5	81.5
142.5°	734.2	738.0	723.8	728.6	679.3	574.1	496.4	368.5	253.9	150.6	74.8
145°	571.3	571.3	543.8	531.5	498.3	465.2	397.9	301.3	218.8	136.4	68.2
147.5°	434.9	433.9	442.4	445.3	415.0	369.5	311.7	257.7	187.6	124.1	59.7
150°	384.6	379.9	360.0	359.1	352.4	311.7	277.6	235.9	169.6	111.8	54.0
152.5°	339.2	341.1	331.6	326.9	303.2	284.2	254.9	205.6	155.4	98.5	47.4
155°	288.0	289.0	285.2	286.1	279.5	255.8	217.9	177.2	137.4	87.2	43.6
157.5°	260.5	259.6	252.0	252.0	250.1	217.0	182.8	157.3	116.5	75.8	41.7
160°	229.3	228.3	219.8	214.1	200.8	175.3	156.3	126.0	99.5	65.4	39.8
162.5°	178.1	176.2	169.6	166.7	159.2	148.7	127.0	104.2	79.6	54.0	34.1
165°	146.8	146.8	143.1	144.0	134.5	115.6	101.4	82.4	62.5	40.7	27.5
167.5°	112.7	110.8	109.0	107.1	101.4	91.9	77.7	63.5	44.5	28.4	19.9
170°	86.2	86.2	83.4	82.4	76.7	69.2	56.8	40.7	29.4	16.1	13.3
172.5°	60.6	61.6	58.7	57.8	54.0	42.6	33.2	23.7	16.1	11.4	8.5
175°	30.3	28.4	21.8	21.8	18.9	17.1	13.3	10.4	8.5	7.6	6.6
177.5°	4.7	3.8	4.7	4.7	5.7	6.6	6.6	7.6	6.6	6.6	5.7
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2	3706.2
2.5°	3701.5	3684.4	3651.3	3622.9	3596.3	3568.9	3549.9	3528.1	3502.5	3496.9	3502.5
5°	3688.2	3654.1	3589.7	3525.3	3458.0	3410.6	3355.7	3318.7	3287.5	3273.3	3268.5
7.5°	3662.7	3614.3	3512.0	3414.4	3315.0	3225.9	3144.4	3089.5	3034.5	3017.5	3024.1
10°	3627.6	3557.5	3421.1	3288.4	3147.3	3023.2	2918.0	2818.5	2759.8	2720.0	2716.2
12.5°	3573.6	3489.3	3314.0	3141.6	2964.4	2801.5	2654.6	2546.6	2449.0	2414.9	2390.3
15°	3511.1	3407.8	3199.4	2974.8	2756.9	2567.5	2373.2	2227.3	2096.6	2051.1	2020.8
17.5°	3436.2	3316.9	3065.8	2805.3	2539.0	2288.0	2066.3	1848.4	1721.4	1633.3	1645.6
20°	3352.9	3216.4	2929.4	2619.6	2302.2	1991.4	1720.5	1498.8	1340.6	1257.2	1240.1
22.5°	3253.4	3101.8	2769.3	2419.7	2057.8	1690.2	1377.5	1135.9	966.4	898.1	880.1
25°	3151.1	2973.9	2605.4	2209.3	1785.9	1385.1	1057.3	822.3	697.3	637.6	631.9
27.5°	3024.1	2844.1	2432.0	1996.2	1513.0	1098.0	790.1	607.3	511.6	489.8	482.2
30°	2893.4	2694.4	2254.8	1762.2	1263.8	863.1	595.0	476.5	452.9	456.6	455.7
32.5°	2752.2	2539.0	2058.7	1535.7	1015.6	657.5	468.0	449.1	460.4	481.3	485.1
35°	2614.8	2390.3	1884.4	1307.4	815.7	514.4	425.4	461.4	506.9	543.8	556.1
37.5°	2477.5	2229.2	1690.2	1107.5	655.6	431.1	430.1	505.0	654.7	811.9	844.1
40°	2327.8	2083.3	1505.4	923.7	532.4	396.0	461.4	646.1	926.6	1011.8	1013.7
42.5°	2188.5	1915.6	1333.0	774.0	445.3	398.9	505.0	883.9	972.0	975.8	970.1
45°	2036.9	1774.5	1165.3	635.7	385.6	413.1	659.4	915.2	901.9	790.1	767.4
47.5°	1898.6	1620.1	1014.7	530.5	357.2	433.0	818.6	855.5	639.5	609.2	607.3
50°	1739.4	1476.1	874.5	445.3	350.5	471.8	793.9	633.8	599.7	559.9	554.2
52.5°	1610.6	1329.2	740.9	385.6	349.6	565.6	716.2	593.1	536.2	509.7	508.8
55°	1467.5	1200.4	613.9	339.2	347.7	653.7	534.3	549.5	487.0	476.5	469.9
57.5°	1322.6	1051.6	508.8	305.1	344.9	605.4	501.2	486.0	445.3	413.1	411.2
60°	1223.1	925.6	411.2	279.5	345.8	530.5	486.0	433.0	384.6	362.9	358.1
62.5°	1096.1	817.6	337.3	262.4	347.7	418.8	455.7	381.8	335.4	317.4	313.6
65°	992.9	704.9	287.1	246.3	358.1	351.5	413.1	328.7	292.7	274.7	272.9
67.5°	899.1	602.5	243.5	233.1	366.6	330.6	366.6	286.1	253.0	239.7	235.9
70°	807.2	509.7	210.3	217.9	332.5	308.9	322.1	245.4	219.8	208.4	207.5
72.5°	734.2	423.5	180.0	201.8	284.2	288.0	271.9	211.3	188.5	176.2	176.2
75°	660.3	344.9	152.5	186.6	245.4	265.3	226.4	174.3	156.3	147.8	146.8
77.5°	584.5	249.2	132.6	178.1	217.0	240.6	190.4	143.1	127.9	121.3	122.2
80°	456.6	166.7	116.5	168.6	205.6	204.6	150.6	111.8	100.4	97.6	98.5
82.5°	307.9	105.2	98.5	138.3	179.1	167.7	109.0	83.4	73.9	72.0	71.1
85°	182.8	73.9	83.4	110.8	137.4	117.5	74.8	58.7	50.2	44.5	44.5
87.5°	107.1	61.6	69.2	98.5	95.7	72.9	48.3	35.1	25.6	20.8	19.9
90°	75.8	60.6	62.5	98.5	72.9	48.3	28.4	11.4	0.0	0.0	0.0
92.5°	77.7	67.3	66.3	105.2	72.9	47.4	27.5	11.4	0.0	0.0	0.0
95°	100.4	77.7	73.9	99.5	75.8	50.2	29.4	14.2	0.0	0.0	0.0
97.5°	119.4	88.1	81.5	94.7	77.7	52.1	30.3	13.3	0.0	0.0	0.0
100°	131.7	99.5	84.3	91.9	80.5	54.9	31.3	13.3	0.0	0.0	0.0
102.5°	143.1	110.8	90.0	93.8	84.3	55.9	32.2	14.2	0.0	0.0	0.0
105°	150.6	120.3	97.6	95.7	86.2	56.8	33.2	14.2	0.9	0.0	0.0
107.5°	153.5	125.1	104.2	94.7	91.0	56.8	32.2	14.2	0.9	0.0	0.0
110°	153.5	127.0	109.0	97.6	93.8	57.8	32.2	14.2	0.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	147.8	125.1	109.0	99.5	89.1	59.7	31.3	13.3	0.9	0.0	0.0
115°	141.2	121.3	107.1	105.2	83.4	58.7	30.3	13.3	0.9	0.0	0.0
117.5°	131.7	115.6	104.2	107.1	79.6	55.9	29.4	12.3	0.9	0.0	0.0
120°	121.3	109.0	99.5	106.1	78.6	51.2	27.5	11.4	0.0	0.0	0.0
122.5°	111.8	100.4	93.8	100.4	76.7	47.4	25.6	9.5	0.0	0.0	0.0
125°	102.3	91.9	86.2	94.7	72.9	44.5	22.7	8.5	0.0	0.0	0.0
127.5°	93.8	84.3	78.6	90.0	66.3	41.7	19.9	6.6	0.0	0.0	0.0
130°	85.3	75.8	72.0	82.4	57.8	38.8	18.0	4.7	0.0	0.0	0.0
132.5°	77.7	69.2	65.4	75.8	52.1	36.9	15.2	3.8	0.0	0.0	0.0
135°	71.1	64.4	59.7	68.2	46.4	34.1	14.2	2.8	0.0	0.0	0.0
137.5°	65.4	60.6	57.8	61.6	39.8	31.3	12.3	1.9	0.0	0.0	0.0
140°	61.6	56.8	57.8	54.0	36.0	28.4	10.4	1.9	0.0	0.0	0.0
142.5°	57.8	54.0	56.8	47.4	32.2	24.6	8.5	0.9	0.0	0.0	0.0
145°	53.1	51.2	54.9	39.8	28.4	21.8	7.6	0.9	0.0	0.0	0.0
147.5°	49.3	48.3	52.1	33.2	24.6	18.9	5.7	0.0	0.0	0.0	0.0
150°	46.4	47.4	47.4	27.5	21.8	16.1	4.7	0.0	0.0	0.0	0.0
152.5°	43.6	44.5	41.7	22.7	18.0	13.3	2.8	0.0	0.0	0.0	0.0
155°	40.7	41.7	36.0	19.9	15.2	10.4	2.8	0.0	0.0	0.0	0.0
157.5°	38.8	38.8	31.3	17.1	11.4	7.6	1.9	0.0	0.0	0.0	0.0
160°	36.9	36.0	26.5	14.2	9.5	4.7	0.9	0.0	0.0	0.0	0.0
162.5°	33.2	29.4	21.8	12.3	7.6	3.8	0.9	0.0	0.0	0.0	0.0
165°	25.6	22.7	16.1	9.5	4.7	1.9	0.0	0.0	0.0	0.0	0.0
167.5°	18.0	16.1	10.4	6.6	3.8	1.9	0.0	0.0	0.0	0.0	0.0
170°	12.3	10.4	6.6	4.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0
172.5°	7.6	6.6	4.7	3.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0
175°	6.6	5.7	3.8	2.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	4.7	4.7	2.8	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)