

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: P1554990

Luminaire Tested: **AXCL12ARL**

Issue Date: 9/1/2026



Test Information

Test Method: LM-79-08
Report Number: P1554990
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
Description: Axcent Wall Mount Luminaire , Refractive Lens, 4000K LEDs
Light Source: -
Ballast/Driver: -

Summary

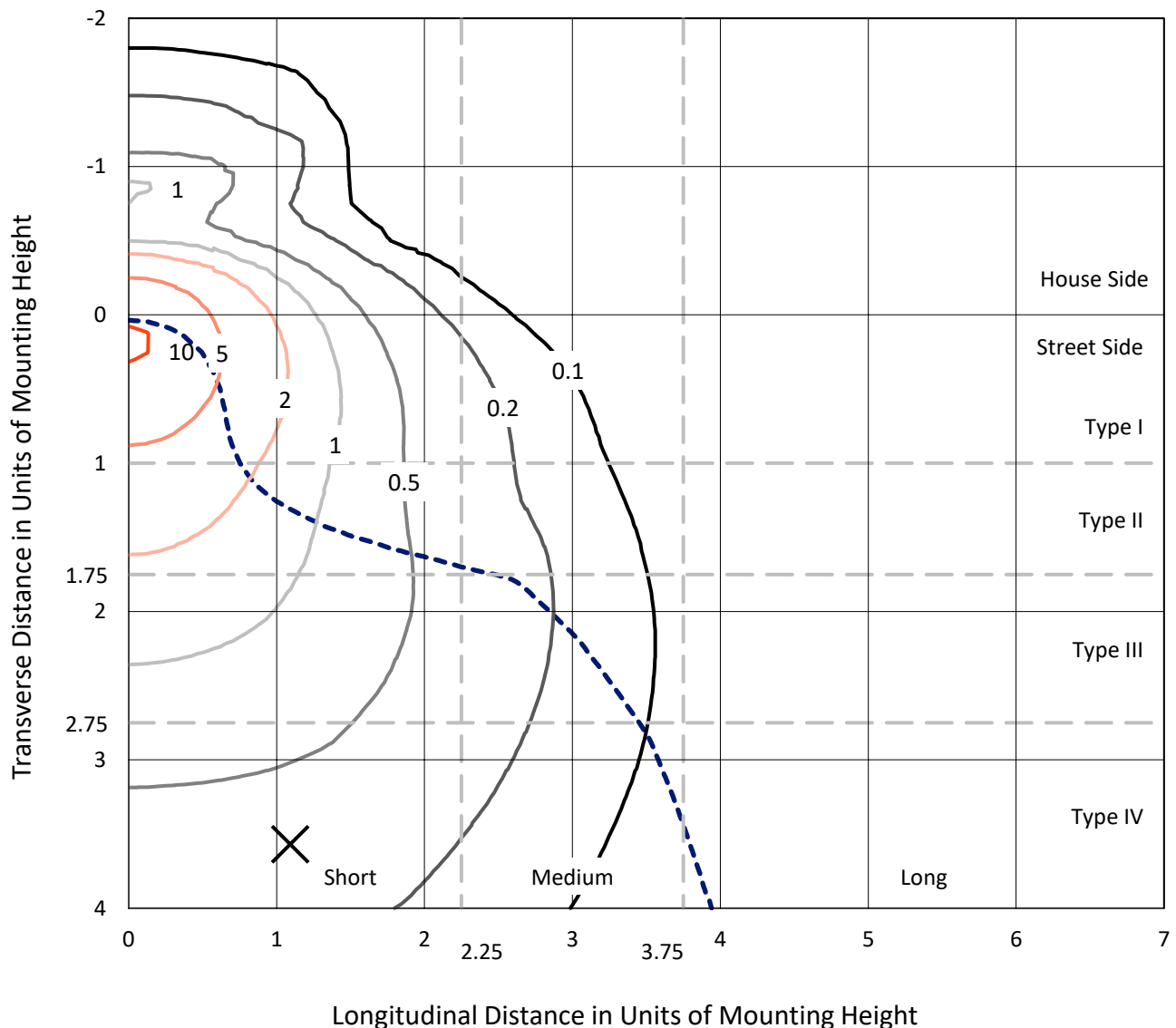
Lumens per Lamp: N/A
Luminaire Lumens: 16637 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')
IES Classification: Type IV - Short
BUG Rating: B2 - U5 - G5

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

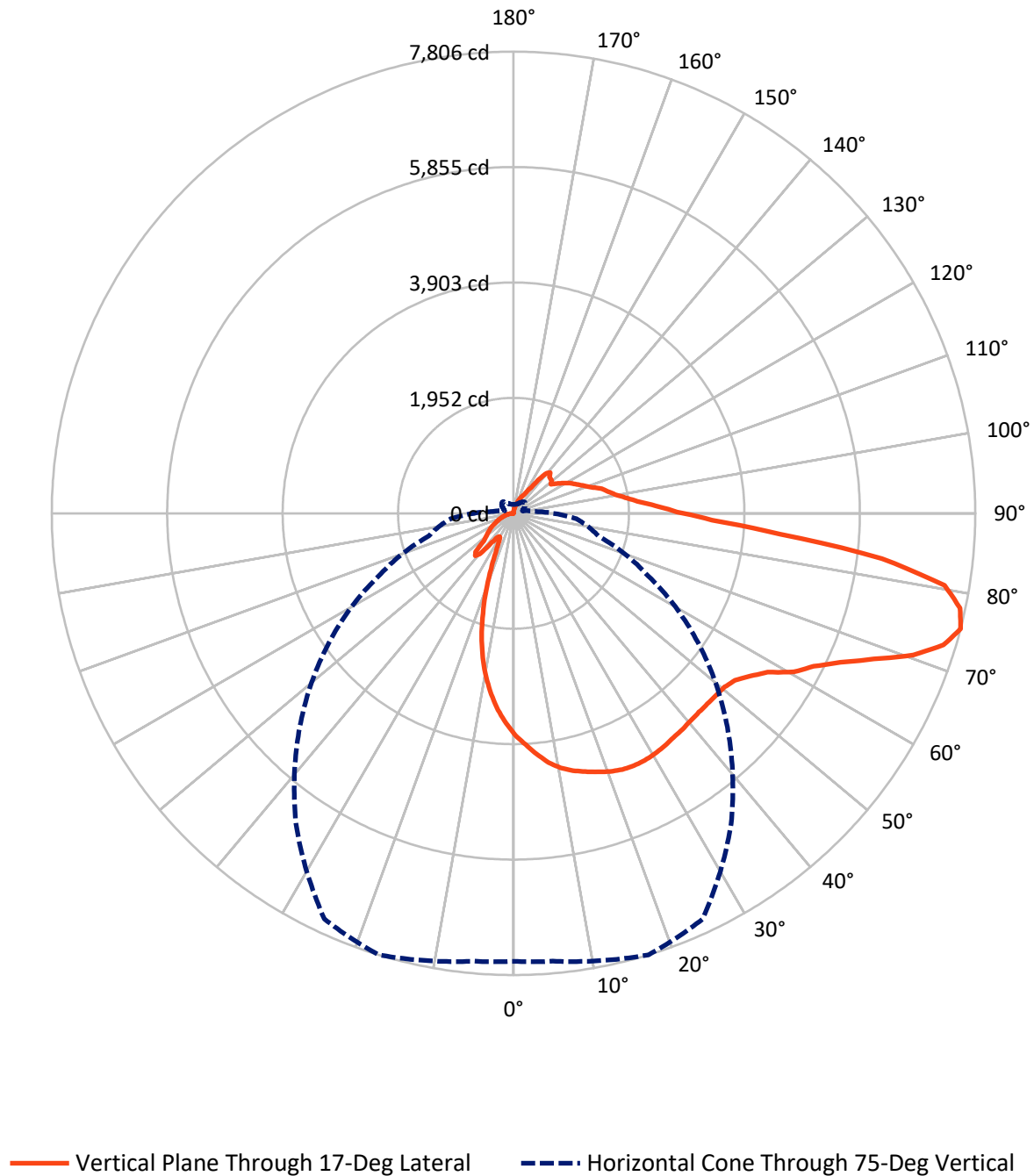
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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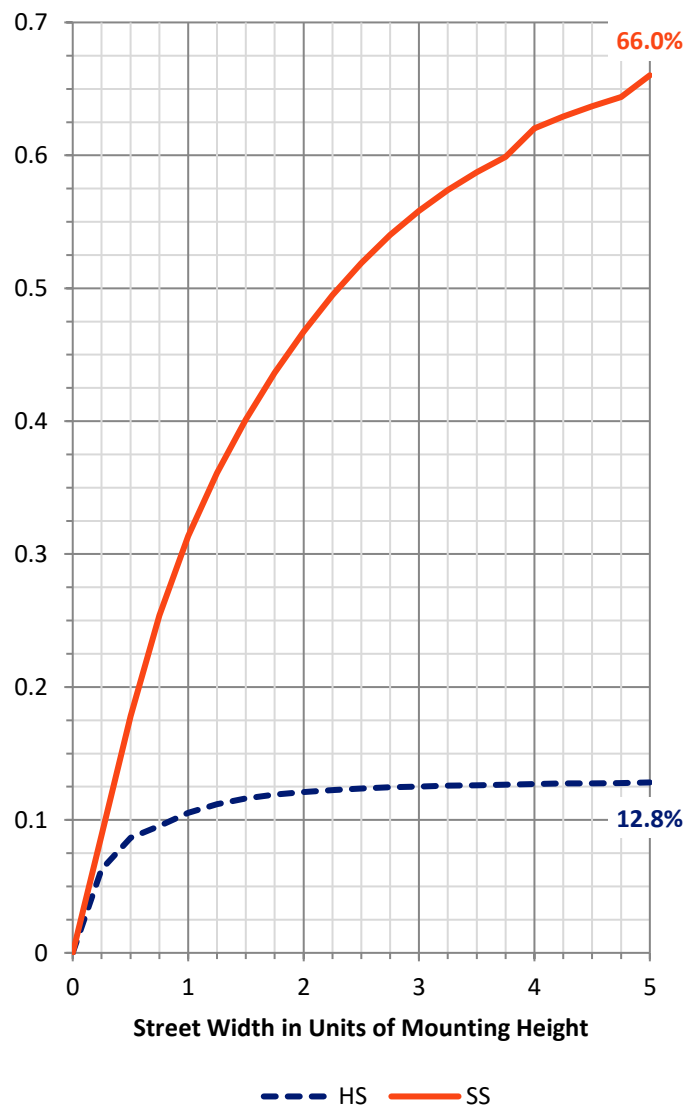
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2173.2	131.2	2304.4
	% Fixture	13.1	0.8	13.9
Street Side	Lumens	12016.5	2316.1	14332.6
	% Fixture	72.2	13.9	86.1
Total	Lumens	14189.7	2447.3	16637.0
	% Fixture	85.3	14.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.4	2.1
10°-20°	967.2	5.8
20°-30°	1348.7	8.1
30°-40°	1585.3	9.5
40°-50°	1769.1	10.6
50°-60°	1864.9	11.2
60°-70°	2182.1	13.1
70°-80°	2572.9	15.5
80°-90°	1547.2	9.3
90°-100°	784.4	4.7
100°-110°	550.4	3.3
110°-120°	399.2	2.4
120°-130°	282.9	1.7
130°-140°	234.9	1.4
140°-150°	128.2	0.8
150°-160°	50.4	0.3
160°-170°	15.4	0.1
170°-180°	1.5	0.0
0°-90°	14189.7	85.3
0°-180°	16637.0	100.0

Coefficient of Utilization



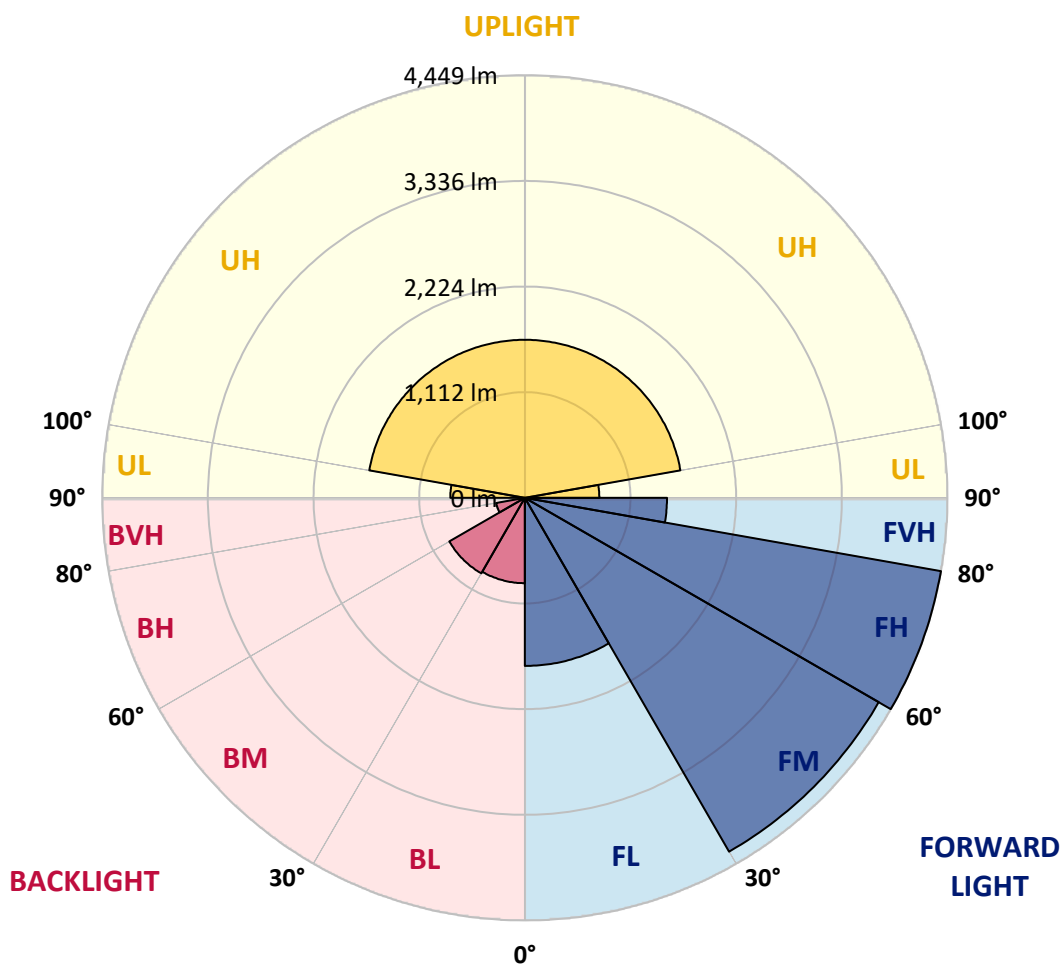
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1769.7	10.6			
FM	(30°-60°)	4301.5	25.9			
FH	(60°-80°)	4448.5	26.7			G2/5000
FVH	(80°-90°)	1496.9	9.0			G5
BL	(0°-30°)	898.6	5.4	B2/1000		
BM	(30°-60°)	917.8	5.5	B1/1000		
BH	(60°-80°)	306.5	1.8	B1/500		G1/500
BVH	(80°-90°)	50.3	0.3			G1/100
UL	(90°-100°)	784.4	4.7		U4/1000	
UH	(100°-180°)	1662.9	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°	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0
2.5°	3938.1	3931.4	3921.8	3917.0	3905.5	3893.0	3875.7	3847.9	3823.0	3787.5	3763.5
5°	4106.9	4108.8	4092.5	4090.6	4059.9	4034.0	3985.1	3939.0	3892.0	3824.0	3766.4
7.5°	4286.2	4274.7	4258.4	4255.5	4220.1	4174.0	4113.6	4025.4	3941.0	3848.9	3757.8
10°	4409.0	4402.3	4384.1	4377.4	4351.5	4297.7	4212.4	4108.8	3989.9	3859.4	3736.7
12.5°	4495.3	4487.7	4468.5	4464.6	4433.9	4378.3	4292.0	4173.1	4027.3	3855.6	3700.2
15°	4568.2	4559.6	4537.5	4532.7	4489.6	4432.0	4339.0	4213.3	4048.4	3844.1	3654.2
17.5°	4643.0	4633.4	4605.6	4596.0	4548.1	4470.4	4359.1	4227.7	4054.1	3820.1	3598.6
20°	4710.2	4699.6	4668.9	4660.3	4597.9	4503.0	4366.8	4222.9	4042.6	3785.6	3526.6
22.5°	4754.3	4744.7	4711.1	4705.4	4638.2	4526.0	4369.7	4199.9	4012.9	3737.6	3442.2
25°	4775.4	4765.8	4735.1	4726.5	4654.5	4535.6	4363.0	4168.3	3964.9	3673.4	3348.2
27.5°	4781.1	4772.5	4738.0	4728.4	4651.7	4525.1	4344.7	4128.0	3896.8	3595.7	3241.8
30°	4771.5	4762.9	4727.4	4715.9	4631.5	4497.2	4306.4	4070.4	3814.4	3509.4	3129.6
32.5°	4758.1	4747.6	4702.5	4689.1	4595.1	4454.1	4247.9	3998.5	3721.3	3411.5	2995.3
35°	4737.0	4724.6	4669.9	4654.5	4551.9	4391.7	4176.9	3917.9	3629.3	3300.3	2871.6
37.5°	4741.8	4726.5	4658.4	4636.3	4509.7	4318.8	4099.2	3830.7	3527.6	3190.9	2738.2
40°	4728.4	4711.1	4630.6	4609.5	4479.0	4252.7	3993.7	3730.9	3432.6	3078.7	2615.5
42.5°	4738.9	4721.7	4625.8	4595.1	4429.1	4173.1	3896.8	3635.0	3314.7	2961.7	2463.9
45°	4762.9	4741.8	4630.6	4594.1	4393.7	4088.7	3807.6	3528.5	3212.0	2823.6	2326.8
47.5°	4759.1	4743.7	4633.4	4601.8	4379.3	4023.4	3710.8	3433.6	3082.6	2692.2	2182.9
50°	4823.3	4793.6	4656.5	4620.0	4373.5	3982.2	3627.3	3333.8	2952.1	2528.2	2036.2
52.5°	4926.0	4893.4	4734.1	4686.2	4416.7	3960.1	3548.7	3230.3	2840.9	2388.2	1900.0
55°	5136.0	5087.1	4910.6	4856.9	4535.6	3990.8	3472.9	3134.4	2723.9	2263.5	1742.7
57.5°	5385.4	5377.7	5130.3	5066.0	4715.9	4072.4	3472.0	3016.4	2627.9	2133.0	1622.8
60°	5737.4	5712.4	5508.1	5444.8	5032.4	4246.0	3547.7	2935.8	2539.7	2027.5	1510.6
62.5°	6000.2	5952.2	5739.3	5692.3	5395.0	4553.8	3673.4	2930.1	2441.9	1940.3	1397.4
65°	6385.7	6327.2	6130.6	6074.0	5695.2	4927.9	3948.6	2989.5	2321.0	1874.1	1314.0
67.5°	6795.3	6764.6	6618.8	6568.0	6314.7	5480.3	4333.2	3174.6	2231.8	1828.1	1223.8
70°	7224.9	7207.7	7164.5	7173.1	7035.0	6158.4	4907.7	3528.5	2268.3	1797.4	1152.8
72.5°	7437.9	7421.6	7558.7	7601.9	7557.7	6559.3	5291.4	4006.2	2405.4	1671.7	1105.8
75°	7575.0	7601.9	7772.6	7806.2	7568.3	6412.6	5111.1	3803.8	2514.8	1483.7	1069.4
77.5°	7667.1	7683.4	7757.2	7717.0	7182.7	5823.7	4620.0	3426.9	2320.1	1348.5	1020.5
80°	7593.2	7596.1	7518.4	7388.9	6521.0	5122.6	3806.7	2758.4	1976.7	1150.9	872.8
82.5°	7127.1	7057.1	6543.0	6272.5	5246.3	3818.2	2545.5	1932.6	1608.4	1032.0	597.5
85°	5778.6	5713.4	4732.2	4524.1	3728.0	2744.0	2081.3	1699.5	1427.1	1005.1	381.7
87.5°	4069.5	4011.9	3510.3	3356.9	2940.6	2292.3	1866.4	1553.7	1286.2	936.1	233.1
90°	3223.6	3157.4	2834.2	2761.3	2485.0	2049.6	1686.1	1403.2	1149.0	795.1	191.8
92.5°	2678.8	2638.5	2434.2	2403.5	2203.1	1859.7	1550.9	1281.4	1014.7	627.3	171.7
95°	2272.1	2264.4	2113.9	2102.4	1990.1	1719.7	1441.5	1202.7	881.4	476.7	164.0
97.5°	2000.7	1976.7	1892.3	1906.7	1836.7	1583.5	1329.3	1125.0	750.0	388.4	173.6
100°	1797.4	1785.9	1724.5	1746.5	1689.9	1483.7	1249.7	1023.4	656.0	332.8	185.1
102.5°	1660.2	1649.7	1609.4	1637.2	1587.3	1384.9	1173.9	928.4	591.8	326.1	194.7
105°	1547.0	1540.3	1522.1	1549.9	1502.0	1286.2	1080.9	852.6	535.2	329.9	202.4
107.5°	1436.7	1425.2	1396.5	1414.7	1352.3	1183.5	984.0	781.7	517.0	336.6	206.2
110°	1290.0	1290.0	1289.0	1306.3	1258.3	1101.1	908.3	701.1	514.1	339.5	206.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
112.5°	1221.9	1216.1	1214.2	1225.7	1164.4	1011.9	857.4	647.4	478.6	336.6	200.5
115°	1152.8	1146.1	1149.0	1150.0	1089.5	938.0	788.4	618.6	450.8	325.1	189.9
117.5°	1092.4	1088.6	1088.6	1087.6	1009.0	881.4	709.7	587.9	428.7	304.0	176.5
120°	1018.6	1013.8	1008.0	1008.0	941.8	801.8	669.5	526.5	401.9	289.6	164.0
122.5°	946.6	941.8	929.4	929.4	858.4	724.1	645.5	506.4	394.2	273.3	152.5
125°	879.5	875.7	865.1	859.4	782.6	734.7	595.6	490.1	380.8	264.7	141.0
127.5°	827.7	821.0	802.8	798.0	798.9	722.2	590.8	472.8	384.6	252.2	130.4
130°	866.1	851.7	850.7	848.8	811.4	695.4	611.9	500.7	383.6	244.6	119.9
132.5°	889.1	884.3	862.2	855.5	797.0	740.4	600.4	503.5	380.8	234.0	109.3
135°	893.9	889.1	867.0	866.1	845.0	741.4	651.2	521.8	372.1	220.6	98.8
137.5°	939.9	939.0	931.3	927.5	856.5	753.9	647.4	509.3	351.0	200.5	90.2
140°	922.7	918.8	887.2	879.5	826.7	752.9	623.4	470.0	305.0	173.6	82.5
142.5°	743.3	747.1	732.8	737.6	687.7	581.2	502.6	373.1	257.0	152.5	75.8
145°	578.3	578.3	550.5	538.1	504.5	470.9	402.8	305.0	221.6	138.1	69.1
147.5°	440.2	439.3	447.9	450.8	420.1	374.1	315.5	260.9	189.9	125.6	60.4
150°	389.4	384.6	364.5	363.5	356.8	315.5	281.0	238.8	171.7	113.2	54.7
152.5°	343.4	345.3	335.7	330.9	306.9	287.7	258.0	208.1	157.3	99.7	48.0
155°	291.6	292.5	288.7	289.6	282.9	259.0	220.6	179.4	139.1	88.2	44.1
157.5°	263.8	262.8	255.1	255.1	253.2	219.6	185.1	159.2	118.0	76.7	42.2
160°	232.1	231.1	222.5	216.8	203.3	177.4	158.3	127.6	100.7	66.2	40.3
162.5°	180.3	178.4	171.7	168.8	161.1	150.6	128.5	105.5	80.6	54.7	34.5
165°	148.7	148.7	144.8	145.8	136.2	117.0	102.6	83.4	63.3	41.2	27.8
167.5°	114.1	112.2	110.3	108.4	102.6	93.0	78.6	64.3	45.1	28.8	20.1
170°	87.3	87.3	84.4	83.4	77.7	70.0	57.5	41.2	29.7	16.3	13.4
172.5°	61.4	62.3	59.5	58.5	54.7	43.2	33.6	24.0	16.3	11.5	8.6
175°	30.7	28.8	22.1	22.1	19.2	17.3	13.4	10.6	8.6	7.7	6.7
177.5°	4.8	3.8	4.8	4.8	5.8	6.7	6.7	7.7	6.7	6.7	5.8
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0	3752.0
2.5°	3747.2	3730.0	3696.4	3667.6	3640.8	3612.9	3593.8	3571.7	3545.8	3540.1	3545.8
5°	3733.8	3699.3	3634.0	3568.8	3500.7	3452.8	3397.1	3359.7	3328.1	3313.7	3308.9
7.5°	3707.9	3659.0	3555.4	3456.6	3355.9	3265.8	3183.3	3127.6	3072.0	3054.7	3061.5
10°	3672.4	3601.4	3463.3	3329.1	3186.1	3060.5	2954.0	2853.3	2793.9	2753.6	2749.8
12.5°	3617.7	3532.4	3354.9	3180.4	3001.0	2836.1	2687.4	2578.1	2479.3	2444.8	2419.8
15°	3554.4	3449.9	3238.9	3011.6	2791.0	2599.2	2402.6	2254.9	2122.5	2076.5	2045.8
17.5°	3478.7	3357.8	3103.7	2839.9	2570.4	2316.2	2091.8	1871.2	1742.7	1653.5	1666.0
20°	3394.3	3256.2	2965.6	2651.9	2330.6	2016.0	1741.7	1517.3	1357.1	1272.7	1255.5
22.5°	3293.6	3140.1	2803.5	2449.6	2083.2	1711.0	1394.5	1150.0	978.3	909.2	891.0
25°	3190.0	3010.6	2637.5	2236.6	1807.9	1402.2	1070.4	832.5	705.9	645.5	639.7
27.5°	3061.5	2879.2	2462.0	2020.8	1531.7	1111.6	799.9	614.8	517.9	495.9	488.2
30°	2929.1	2727.7	2282.7	1783.9	1279.4	873.7	602.3	482.4	458.5	462.3	461.3
32.5°	2786.2	2570.4	2084.1	1554.7	1028.2	665.6	473.8	454.6	466.1	487.2	491.1
35°	2647.1	2419.8	1907.7	1323.6	825.8	520.8	430.6	467.1	513.1	550.5	563.0
37.5°	2508.1	2256.8	1711.0	1121.2	663.7	436.4	435.4	511.2	662.7	822.0	854.6
40°	2356.5	2109.1	1524.0	935.1	539.0	400.9	467.1	654.1	938.0	1024.3	1026.2
42.5°	2215.5	1939.3	1349.5	783.6	450.8	403.8	511.2	894.8	984.0	987.9	982.1
45°	2062.1	1796.4	1179.7	643.6	390.4	418.2	667.5	926.5	913.1	799.9	776.9
47.5°	1922.0	1640.1	1027.2	537.1	361.6	438.3	828.7	866.1	647.4	616.7	614.8
50°	1760.9	1494.3	885.3	450.8	354.9	477.6	803.7	641.6	607.1	566.8	561.1
52.5°	1630.5	1345.6	750.0	390.4	353.9	572.6	725.1	600.4	542.9	516.0	515.0
55°	1485.7	1215.2	621.5	343.4	352.0	661.8	540.9	556.3	493.0	482.4	475.7
57.5°	1338.9	1064.6	515.0	308.8	349.1	612.9	507.4	492.0	450.8	418.2	416.3
60°	1238.2	937.0	416.3	282.9	350.1	537.1	492.0	438.3	389.4	367.3	362.5
62.5°	1109.7	827.7	341.4	265.7	352.0	423.9	461.3	386.5	339.5	321.3	317.5
65°	1005.1	713.6	290.6	249.4	362.5	355.8	418.2	332.8	296.4	278.1	276.2
67.5°	910.2	610.0	246.5	235.9	371.2	334.7	371.2	289.6	256.1	242.7	238.8
70°	817.2	516.0	212.9	220.6	336.6	312.7	326.1	248.4	222.5	211.0	210.0
72.5°	743.3	428.7	182.2	204.3	287.7	291.6	275.3	213.9	190.9	178.4	178.4
75°	668.5	349.1	154.4	188.9	248.4	268.5	229.2	176.5	158.3	149.6	148.7
77.5°	591.8	252.2	134.3	180.3	219.6	243.6	192.8	144.8	129.5	122.8	123.7
80°	462.3	168.8	118.0	170.7	208.1	207.2	152.5	113.2	101.7	98.8	99.7
82.5°	311.7	106.5	99.7	140.0	181.3	169.8	110.3	84.4	74.8	72.9	71.9
85°	185.1	74.8	84.4	112.2	139.1	118.9	75.8	59.5	50.8	45.1	45.1
87.5°	108.4	62.3	70.0	99.7	96.9	73.9	48.9	35.5	25.9	21.1	20.1
90°	76.7	61.4	63.3	99.7	73.9	48.9	28.8	11.5	0.0	0.0	0.0
92.5°	78.6	68.1	67.1	106.5	73.9	48.0	27.8	11.5	0.0	0.0	0.0
95°	101.7	78.6	74.8	100.7	76.7	50.8	29.7	14.4	0.0	0.0	0.0
97.5°	120.8	89.2	82.5	95.9	78.6	52.8	30.7	13.4	0.0	0.0	0.0
100°	133.3	100.7	85.4	93.0	81.5	55.6	31.7	13.4	0.0	0.0	0.0
102.5°	144.8	112.2	91.1	95.0	85.4	56.6	32.6	14.4	0.0	0.0	0.0
105°	152.5	121.8	98.8	96.9	87.3	57.5	33.6	14.4	1.0	0.0	0.0
107.5°	155.4	126.6	105.5	95.9	92.1	57.5	32.6	14.4	1.0	0.0	0.0
110°	155.4	128.5	110.3	98.8	95.0	58.5	32.6	14.4	1.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	149.6	126.6	110.3	100.7	90.2	60.4	31.7	13.4	1.0	0.0	0.0
115°	142.9	122.8	108.4	106.5	84.4	59.5	30.7	13.4	1.0	0.0	0.0
117.5°	133.3	117.0	105.5	108.4	80.6	56.6	29.7	12.5	1.0	0.0	0.0
120°	122.8	110.3	100.7	107.4	79.6	51.8	27.8	11.5	0.0	0.0	0.0
122.5°	113.2	101.7	95.0	101.7	77.7	48.0	25.9	9.6	0.0	0.0	0.0
125°	103.6	93.0	87.3	95.9	73.9	45.1	23.0	8.6	0.0	0.0	0.0
127.5°	95.0	85.4	79.6	91.1	67.1	42.2	20.1	6.7	0.0	0.0	0.0
130°	86.3	76.7	72.9	83.4	58.5	39.3	18.2	4.8	0.0	0.0	0.0
132.5°	78.6	70.0	66.2	76.7	52.8	37.4	15.3	3.8	0.0	0.0	0.0
135°	71.9	65.2	60.4	69.1	47.0	34.5	14.4	2.9	0.0	0.0	0.0
137.5°	66.2	61.4	58.5	62.3	40.3	31.7	12.5	1.9	0.0	0.0	0.0
140°	62.3	57.5	58.5	54.7	36.4	28.8	10.6	1.9	0.0	0.0	0.0
142.5°	58.5	54.7	57.5	48.0	32.6	24.9	8.6	1.0	0.0	0.0	0.0
145°	53.7	51.8	55.6	40.3	28.8	22.1	7.7	1.0	0.0	0.0	0.0
147.5°	49.9	48.9	52.8	33.6	24.9	19.2	5.8	0.0	0.0	0.0	0.0
150°	47.0	48.0	48.0	27.8	22.1	16.3	4.8	0.0	0.0	0.0	0.0
152.5°	44.1	45.1	42.2	23.0	18.2	13.4	2.9	0.0	0.0	0.0	0.0
155°	41.2	42.2	36.4	20.1	15.3	10.6	2.9	0.0	0.0	0.0	0.0
157.5°	39.3	39.3	31.7	17.3	11.5	7.7	1.9	0.0	0.0	0.0	0.0
160°	37.4	36.4	26.9	14.4	9.6	4.8	1.0	0.0	0.0	0.0	0.0
162.5°	33.6	29.7	22.1	12.5	7.7	3.8	1.0	0.0	0.0	0.0	0.0
165°	25.9	23.0	16.3	9.6	4.8	1.9	0.0	0.0	0.0	0.0	0.0
167.5°	18.2	16.3	10.6	6.7	3.8	1.9	0.0	0.0	0.0	0.0	0.0
170°	12.5	10.6	6.7	4.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	7.7	6.7	4.8	3.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0
175°	6.7	5.8	3.8	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	4.8	4.8	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)