

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: P1555006

Luminaire Tested: **AXCL8ARL-C**

Issue Date: 9/1/2026



Test Information

Test Method: LM-79-08
Report Number: P1555006
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: AXCL8ARL-C
Description: Axcent Wall Mount Luminaire , Refractive Lens, 5000K LEDs
Light Source: -
Ballast/Driver: -

Summary

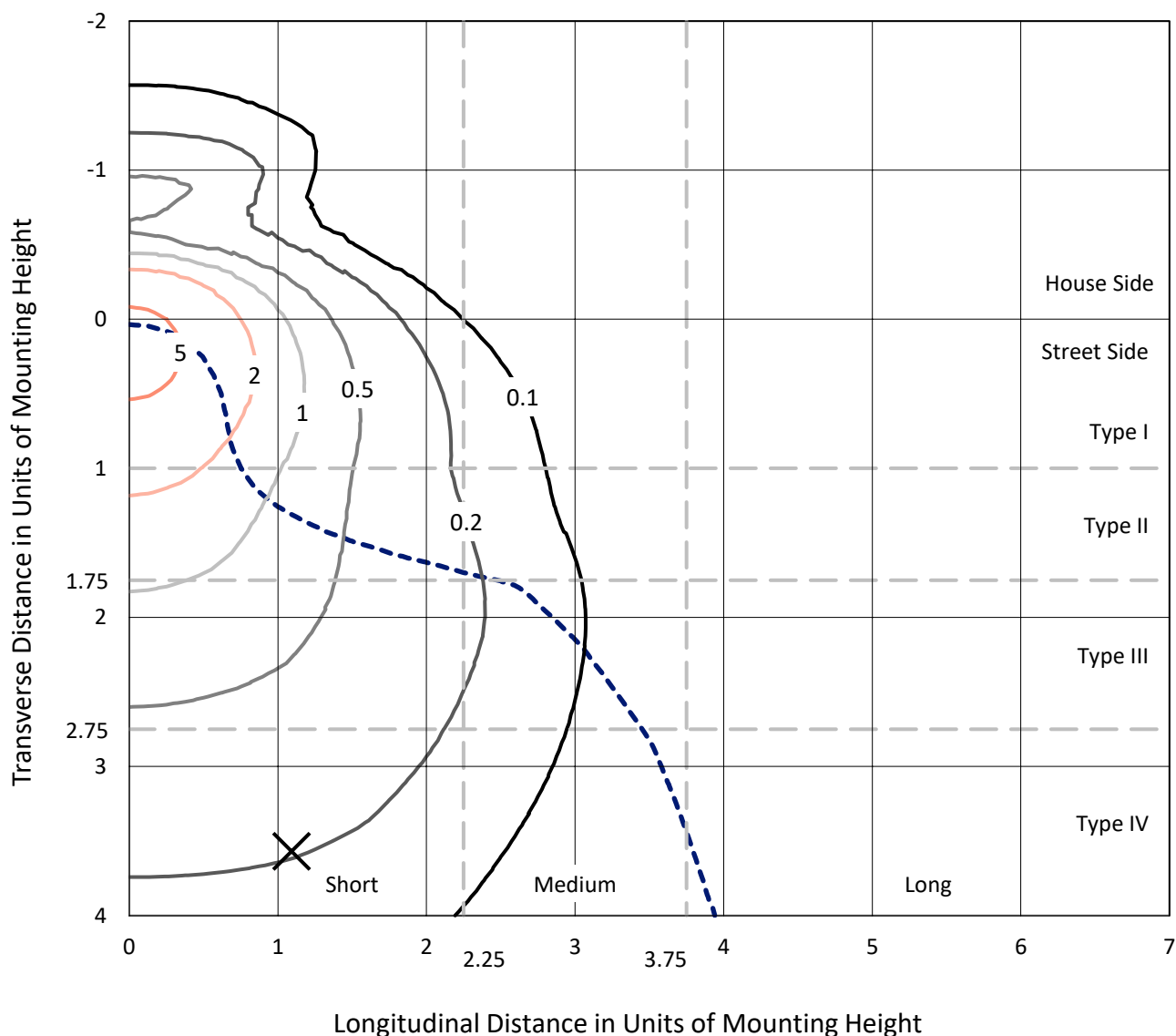
Lumens per Lamp: N/A
Luminaire Lumens: 10205 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')
IES Classification: Type IV - Short
BUG Rating: B2 - U5 - G5

Input Watts (W): 65.3
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

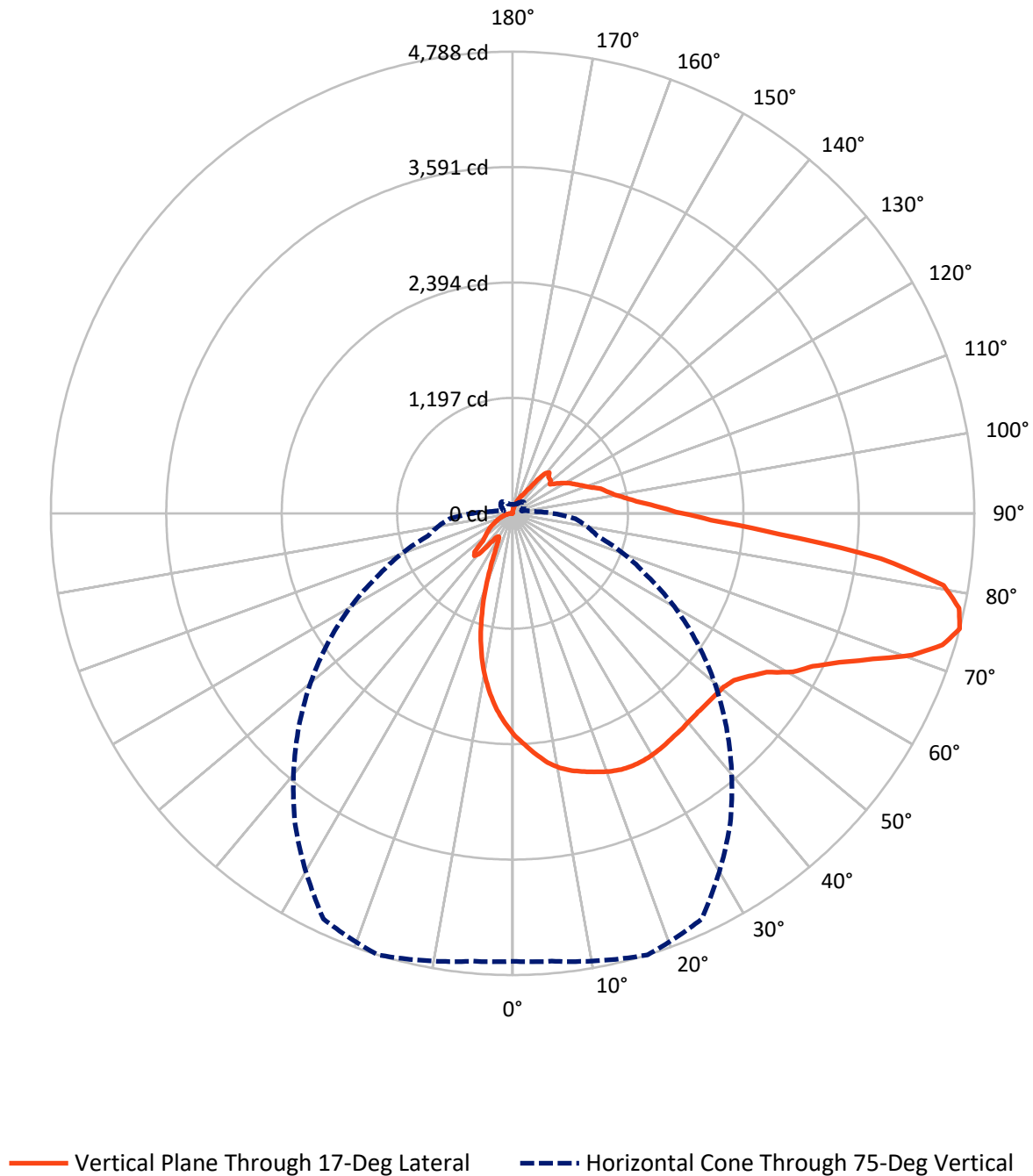
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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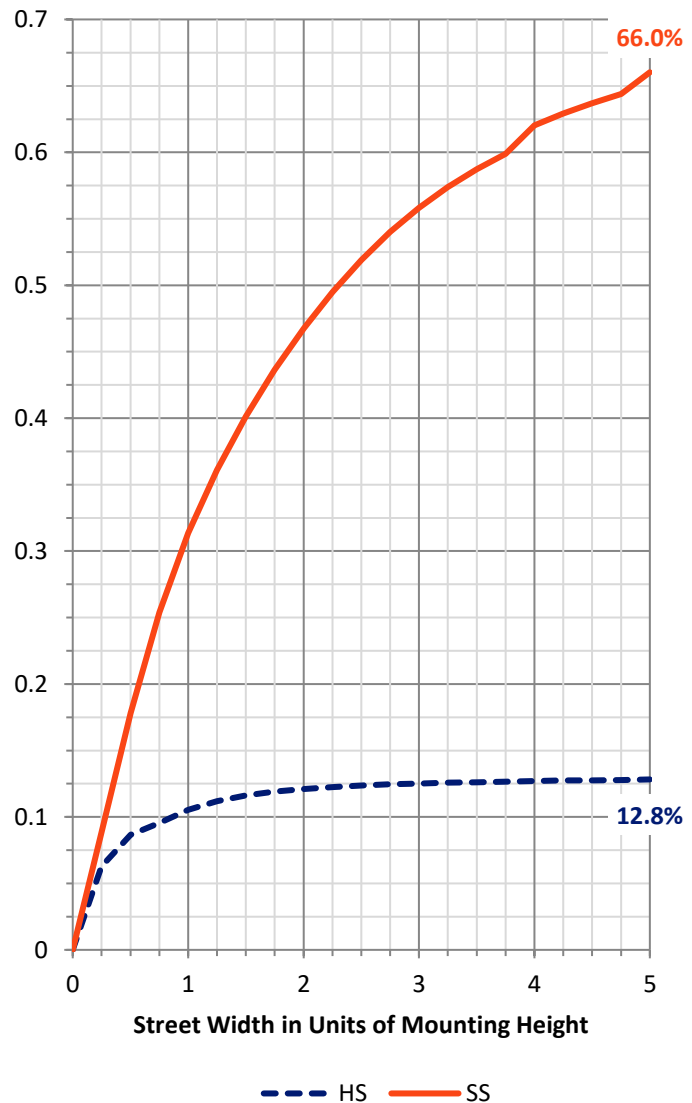
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1333.0	80.5	1413.5
	% Fixture	13.1	0.8	13.9
Street Side	Lumens	7370.8	1420.7	8791.5
	% Fixture	72.2	13.9	86.1
Total	Lumens	8703.8	1501.2	10205.0
	% Fixture	85.3	14.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	2.1
10°-20°	593.3	5.8
20°-30°	827.3	8.1
30°-40°	972.4	9.5
40°-50°	1085.1	10.6
50°-60°	1143.9	11.2
60°-70°	1338.5	13.1
70°-80°	1578.2	15.5
80°-90°	949.0	9.3
90°-100°	481.2	4.7
100°-110°	337.6	3.3
110°-120°	244.8	2.4
120°-130°	173.5	1.7
130°-140°	144.1	1.4
140°-150°	78.7	0.8
150°-160°	30.9	0.3
160°-170°	9.4	0.1
170°-180°	0.9	0.0
0°-90°	8703.8	85.3
0°-180°	10205.0	100.0

Coefficient of Utilization



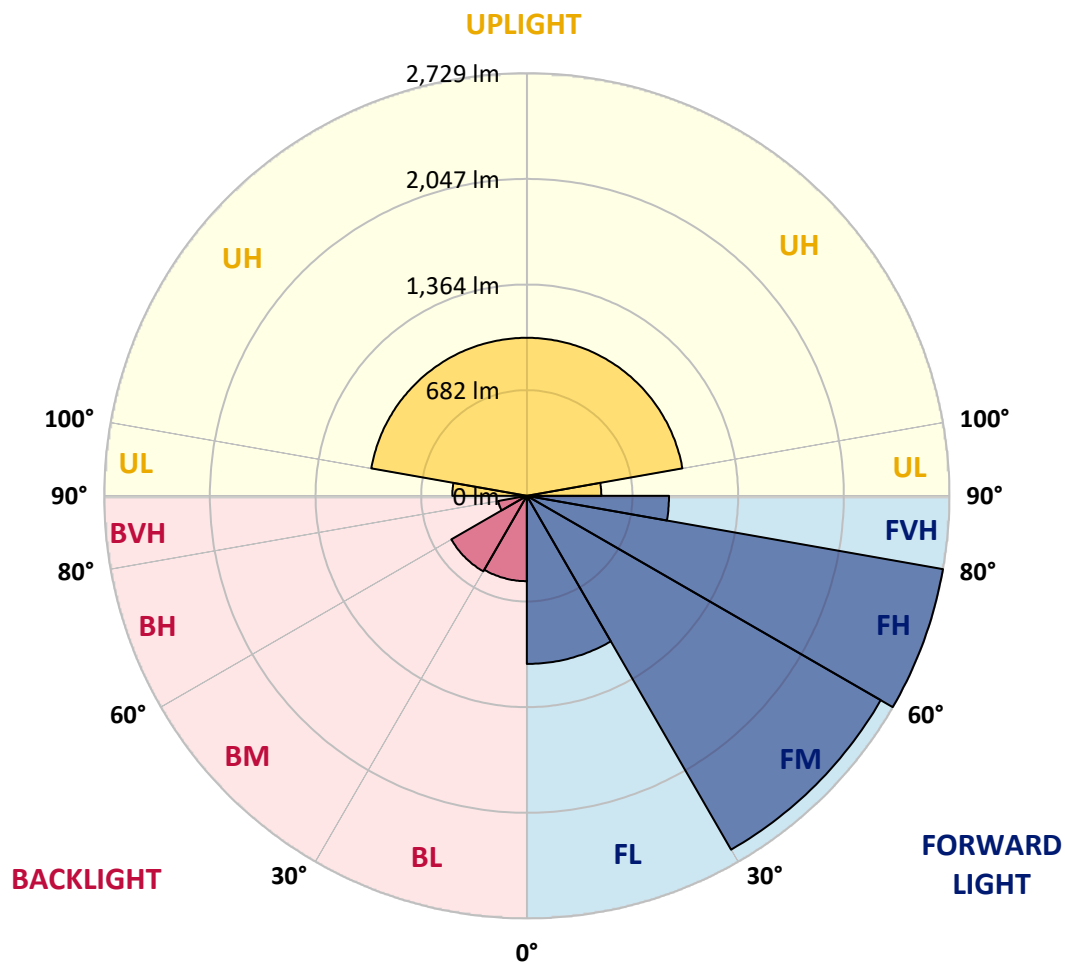
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1085.5	10.6			
FM	(30°-60°)	2638.5	25.9			
FH	(60°-80°)	2728.7	26.7			G2/5000
FVH	(80°-90°)	918.2	9.0			G5
BL	(0°-30°)	551.2	5.4	B2/1000		
BM	(30°-60°)	563.0	5.5	B1/1000		
BH	(60°-80°)	188.0	1.8	B1/500		G1/500
BVH	(80°-90°)	30.9	0.3			G1/100
UL	(90°-100°)	481.2	4.7		U3/500	
UH	(100°-180°)	1020.0	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°	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5
2.5°	2415.6	2411.5	2405.6	2402.6	2395.6	2387.9	2377.3	2360.3	2345.0	2323.2	2308.5
5°	2519.1	2520.3	2510.3	2509.1	2490.3	2474.4	2444.4	2416.2	2387.4	2345.6	2310.3
7.5°	2629.1	2622.1	2612.1	2610.3	2588.6	2560.3	2523.2	2469.1	2417.4	2360.9	2305.0
10°	2704.4	2700.3	2689.2	2685.0	2669.1	2636.2	2583.8	2520.3	2447.4	2367.3	2292.0
12.5°	2757.4	2752.7	2740.9	2738.6	2719.7	2685.6	2632.7	2559.7	2470.3	2365.0	2269.7
15°	2802.1	2796.8	2783.3	2780.3	2753.9	2718.6	2661.5	2584.4	2483.2	2357.9	2241.5
17.5°	2848.0	2842.1	2825.1	2819.2	2789.8	2742.1	2673.9	2593.3	2486.8	2343.2	2207.3
20°	2889.2	2882.7	2863.9	2858.6	2820.3	2762.1	2678.6	2590.3	2479.7	2322.0	2163.2
22.5°	2916.2	2910.4	2889.8	2886.2	2845.1	2776.2	2680.3	2576.2	2461.5	2292.6	2111.4
25°	2929.2	2923.3	2904.5	2899.2	2855.1	2782.1	2676.2	2556.8	2432.1	2253.2	2053.8
27.5°	2932.7	2927.4	2906.2	2900.4	2853.3	2775.6	2665.0	2532.1	2390.3	2205.6	1988.5
30°	2926.8	2921.5	2899.8	2892.7	2840.9	2758.6	2641.5	2496.8	2339.7	2152.6	1919.6
32.5°	2918.6	2912.1	2884.5	2876.2	2818.6	2732.1	2605.6	2452.7	2282.6	2092.6	1837.3
35°	2905.6	2898.0	2864.5	2855.1	2792.1	2693.9	2562.1	2403.2	2226.2	2024.4	1761.4
37.5°	2908.6	2899.2	2857.4	2843.9	2766.2	2649.1	2514.4	2349.7	2163.8	1957.3	1679.6
40°	2900.4	2889.8	2840.3	2827.4	2747.4	2608.6	2449.7	2288.5	2105.6	1888.5	1604.3
42.5°	2906.8	2896.2	2837.4	2818.6	2716.8	2559.7	2390.3	2229.7	2033.2	1816.7	1511.4
45°	2921.5	2908.6	2840.3	2818.0	2695.0	2508.0	2335.6	2164.4	1970.2	1732.0	1427.2
47.5°	2919.2	2909.8	2842.1	2822.7	2686.2	2467.9	2276.2	2106.1	1890.8	1651.4	1339.0
50°	2958.6	2940.4	2856.2	2833.9	2682.7	2442.7	2225.0	2045.0	1810.8	1550.8	1249.0
52.5°	3021.5	3001.5	2903.9	2874.5	2709.2	2429.1	2176.7	1981.4	1742.6	1464.9	1165.4
55°	3150.4	3120.4	3012.1	2979.2	2782.1	2447.9	2130.3	1922.6	1670.8	1388.4	1069.0
57.5°	3303.3	3298.6	3146.9	3107.4	2892.7	2498.0	2129.7	1850.2	1612.0	1308.4	995.4
60°	3519.3	3504.0	3378.6	3339.8	3086.8	2604.4	2176.1	1800.8	1557.8	1243.7	926.6
62.5°	3680.4	3651.0	3520.4	3491.6	3309.2	2793.3	2253.2	1797.3	1497.8	1190.1	857.2
65°	3916.9	3881.1	3760.5	3725.7	3493.4	3022.7	2422.1	1833.8	1423.7	1149.6	806.0
67.5°	4168.2	4149.3	4059.9	4028.7	3873.4	3361.6	2658.0	1947.3	1369.0	1121.3	750.7
70°	4431.7	4421.1	4394.7	4399.9	4315.2	3777.5	3010.4	2164.4	1391.3	1102.5	707.1
72.5°	4562.3	4552.3	4636.4	4662.9	4635.9	4023.4	3245.7	2457.4	1475.5	1025.4	678.3
75°	4646.4	4662.9	4767.6	4788.2	4642.3	3933.4	3135.1	2333.2	1542.5	910.1	656.0
77.5°	4702.9	4712.9	4758.2	4733.5	4405.8	3572.2	2833.9	2102.0	1423.1	827.2	626.0
80°	4657.6	4659.4	4611.7	4532.3	3999.9	3142.1	2335.0	1692.0	1212.5	706.0	535.4
82.5°	4371.7	4328.8	4013.4	3847.5	3218.0	2342.1	1561.4	1185.4	986.6	633.0	366.5
85°	3544.6	3504.5	2902.7	2775.0	2286.7	1683.1	1276.6	1042.5	875.4	616.5	234.1
87.5°	2496.2	2460.9	2153.2	2059.1	1803.7	1406.1	1144.8	953.1	788.9	574.2	143.0
90°	1977.3	1936.7	1738.4	1693.7	1524.3	1257.2	1034.2	860.7	704.8	487.7	117.7
92.5°	1643.1	1618.4	1493.1	1474.3	1351.3	1140.7	951.3	786.0	622.4	384.8	105.3
95°	1393.7	1389.0	1296.6	1289.6	1220.7	1054.8	884.2	737.7	540.7	292.4	100.6
97.5°	1227.2	1212.5	1160.7	1169.6	1126.6	971.3	815.4	690.1	460.1	238.3	106.5
100°	1102.5	1095.4	1057.8	1071.3	1036.6	910.1	766.6	627.7	402.4	204.1	113.5
102.5°	1018.4	1011.9	987.2	1004.2	973.6	849.5	720.1	569.5	363.0	200.0	119.4
105°	948.9	944.8	933.6	950.7	921.3	788.9	663.0	523.0	328.3	202.4	124.1
107.5°	881.3	874.2	856.6	867.8	829.5	726.0	603.6	479.5	317.1	206.5	126.5
110°	791.3	791.3	790.7	801.3	771.9	675.4	557.1	430.1	315.3	208.3	126.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
112.5°	749.5	746.0	744.8	751.9	714.2	620.7	525.9	397.1	293.6	206.5	123.0
115°	707.1	703.0	704.8	705.4	668.3	575.4	483.6	379.5	276.5	199.4	116.5
117.5°	670.1	667.7	667.7	667.1	618.9	540.7	435.3	360.6	263.0	186.5	108.2
120°	624.8	621.8	618.3	618.3	577.7	491.8	410.6	323.0	246.5	177.7	100.6
122.5°	580.7	577.7	570.1	570.1	526.5	444.2	395.9	310.6	241.8	167.7	93.5
125°	539.5	537.1	530.7	527.1	480.1	450.6	365.3	300.6	233.6	162.4	86.5
127.5°	507.7	503.6	492.4	489.5	490.1	443.0	362.4	290.0	235.9	154.7	80.0
130°	531.2	522.4	521.8	520.7	497.7	426.5	375.3	307.1	235.3	150.0	73.5
132.5°	545.4	542.4	528.9	524.8	488.9	454.2	368.3	308.9	233.6	143.5	67.1
135°	548.3	545.4	531.8	531.2	518.3	454.8	399.5	320.0	228.3	135.3	60.6
137.5°	576.5	576.0	571.2	568.9	525.4	462.4	397.1	312.4	215.3	123.0	55.3
140°	566.0	563.6	544.2	539.5	507.1	461.8	382.4	288.3	187.1	106.5	50.6
142.5°	455.9	458.3	449.5	452.4	421.8	356.5	308.3	228.9	157.7	93.5	46.5
145°	354.7	354.7	337.7	330.0	309.4	288.9	247.1	187.1	135.9	84.7	42.4
147.5°	270.0	269.4	274.7	276.5	257.7	229.4	193.6	160.0	116.5	77.1	37.1
150°	238.9	235.9	223.6	223.0	218.9	193.6	172.4	146.5	105.3	69.4	33.5
152.5°	210.6	211.8	205.9	203.0	188.3	176.5	158.3	127.7	96.5	61.2	29.4
155°	178.8	179.4	177.1	177.7	173.6	158.8	135.3	110.0	85.3	54.1	27.1
157.5°	161.8	161.2	156.5	156.5	155.3	134.7	113.5	97.7	72.4	47.1	25.9
160°	142.4	141.8	136.5	133.0	124.7	108.8	97.1	78.2	61.8	40.6	24.7
162.5°	110.6	109.4	105.3	103.5	98.8	92.4	78.8	64.7	49.4	33.5	21.2
165°	91.2	91.2	88.8	89.4	83.5	71.8	62.9	51.2	38.8	25.3	17.1
167.5°	70.0	68.8	67.7	66.5	62.9	57.1	48.2	39.4	27.7	17.6	12.4
170°	53.5	53.5	51.8	51.2	47.7	42.9	35.3	25.3	18.2	10.0	8.2
172.5°	37.7	38.2	36.5	35.9	33.5	26.5	20.6	14.7	10.0	7.1	5.3
175°	18.8	17.6	13.5	13.5	11.8	10.6	8.2	6.5	5.3	4.7	4.1
177.5°	2.9	2.4	2.9	2.9	3.5	4.1	4.1	4.7	4.1	4.1	3.5
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5
2.5°	2298.5	2287.9	2267.3	2249.7	2233.2	2216.2	2204.4	2190.9	2175.0	2171.4	2175.0
5°	2290.3	2269.1	2229.1	2189.1	2147.3	2117.9	2083.8	2060.8	2041.4	2032.6	2029.7
7.5°	2274.4	2244.4	2180.9	2120.3	2058.5	2003.2	1952.6	1918.5	1884.3	1873.8	1877.9
10°	2252.6	2209.1	2124.4	2042.0	1954.4	1877.3	1812.0	1750.2	1713.7	1689.0	1686.7
12.5°	2219.1	2166.7	2057.9	1950.8	1840.8	1739.6	1648.4	1581.4	1520.8	1499.6	1484.3
15°	2180.3	2116.1	1986.7	1847.3	1712.0	1594.3	1473.7	1383.1	1301.9	1273.7	1254.9
17.5°	2133.8	2059.7	1903.8	1742.0	1576.7	1420.8	1283.1	1147.8	1069.0	1014.2	1021.9
20°	2082.0	1997.3	1819.0	1626.7	1429.6	1236.6	1068.4	930.7	832.5	780.7	770.1
22.5°	2020.2	1926.1	1719.6	1502.5	1277.8	1049.5	855.4	705.4	600.1	557.7	546.5
25°	1956.7	1846.7	1617.8	1371.9	1109.0	860.1	656.6	510.7	433.0	395.9	392.4
27.5°	1877.9	1766.1	1510.2	1239.6	939.5	681.8	490.6	377.1	317.7	304.2	299.4
30°	1796.7	1673.1	1400.2	1094.3	784.8	535.9	369.5	295.9	281.2	283.6	283.0
32.5°	1709.0	1576.7	1278.4	953.6	630.7	408.3	290.6	278.9	285.9	298.9	301.2
35°	1623.7	1484.3	1170.1	811.9	506.5	319.5	264.1	286.5	314.7	337.7	345.3
37.5°	1538.4	1384.3	1049.5	687.7	407.1	267.7	267.1	313.6	406.5	504.2	524.2
40°	1445.5	1293.7	934.8	573.6	330.6	245.9	286.5	401.2	575.4	628.3	629.5
42.5°	1359.0	1189.6	827.7	480.6	276.5	247.7	313.6	548.9	603.6	606.0	602.4
45°	1264.9	1101.9	723.6	394.8	239.4	256.5	409.5	568.3	560.1	490.6	476.5
47.5°	1179.0	1006.0	630.1	329.5	221.8	268.9	508.3	531.2	397.1	378.3	377.1
50°	1080.1	916.6	543.0	276.5	217.7	293.0	493.0	393.6	372.4	347.7	344.2
52.5°	1000.1	825.4	460.1	239.4	217.1	351.2	444.8	368.3	333.0	316.5	315.9
55°	911.3	745.4	381.2	210.6	215.9	405.9	331.8	341.2	302.4	295.9	291.8
57.5°	821.3	653.0	315.9	189.4	214.1	375.9	311.2	301.8	276.5	256.5	255.3
60°	759.5	574.8	255.3	173.6	214.7	329.5	301.8	268.9	238.9	225.3	222.4
62.5°	680.7	507.7	209.4	163.0	215.9	260.0	283.0	237.1	208.3	197.1	194.7
65°	616.5	437.7	178.3	153.0	222.4	218.3	256.5	204.1	181.8	170.6	169.4
67.5°	558.3	374.2	151.2	144.7	227.7	205.3	227.7	177.7	157.1	148.8	146.5
70°	501.2	316.5	130.6	135.3	206.5	191.8	200.0	152.4	136.5	129.4	128.8
72.5°	455.9	263.0	111.8	125.3	176.5	178.8	168.8	131.2	117.1	109.4	109.4
75°	410.1	214.1	94.7	115.9	152.4	164.7	140.6	108.2	97.1	91.8	91.2
77.5°	363.0	154.7	82.4	110.6	134.7	149.4	118.2	88.8	79.4	75.3	75.9
80°	283.6	103.5	72.4	104.7	127.7	127.1	93.5	69.4	62.4	60.6	61.2
82.5°	191.2	65.3	61.2	85.9	111.2	104.1	67.7	51.8	45.9	44.7	44.1
85°	113.5	45.9	51.8	68.8	85.3	73.0	46.5	36.5	31.2	27.7	27.7
87.5°	66.5	38.2	42.9	61.2	59.4	45.3	30.0	21.8	15.9	12.9	12.4
90°	47.1	37.7	38.8	61.2	45.3	30.0	17.6	7.1	0.0	0.0	0.0
92.5°	48.2	41.8	41.2	65.3	45.3	29.4	17.1	7.1	0.0	0.0	0.0
95°	62.4	48.2	45.9	61.8	47.1	31.2	18.2	8.8	0.0	0.0	0.0
97.5°	74.1	54.7	50.6	58.8	48.2	32.4	18.8	8.2	0.0	0.0	0.0
100°	81.8	61.8	52.4	57.1	50.0	34.1	19.4	8.2	0.0	0.0	0.0
102.5°	88.8	68.8	55.9	58.2	52.4	34.7	20.0	8.8	0.0	0.0	0.0
105°	93.5	74.7	60.6	59.4	53.5	35.3	20.6	8.8	0.6	0.0	0.0
107.5°	95.3	77.7	64.7	58.8	56.5	35.3	20.0	8.8	0.6	0.0	0.0
110°	95.3	78.8	67.7	60.6	58.2	35.9	20.0	8.8	0.6	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	91.8	77.7	67.7	61.8	55.3	37.1	19.4	8.2	0.6	0.0	0.0
115°	87.7	75.3	66.5	65.3	51.8	36.5	18.8	8.2	0.6	0.0	0.0
117.5°	81.8	71.8	64.7	66.5	49.4	34.7	18.2	7.6	0.6	0.0	0.0
120°	75.3	67.7	61.8	65.9	48.8	31.8	17.1	7.1	0.0	0.0	0.0
122.5°	69.4	62.4	58.2	62.4	47.7	29.4	15.9	5.9	0.0	0.0	0.0
125°	63.5	57.1	53.5	58.8	45.3	27.7	14.1	5.3	0.0	0.0	0.0
127.5°	58.2	52.4	48.8	55.9	41.2	25.9	12.4	4.1	0.0	0.0	0.0
130°	52.9	47.1	44.7	51.2	35.9	24.1	11.2	2.9	0.0	0.0	0.0
132.5°	48.2	42.9	40.6	47.1	32.4	22.9	9.4	2.4	0.0	0.0	0.0
135°	44.1	40.0	37.1	42.4	28.8	21.2	8.8	1.8	0.0	0.0	0.0
137.5°	40.6	37.7	35.9	38.2	24.7	19.4	7.6	1.2	0.0	0.0	0.0
140°	38.2	35.3	35.9	33.5	22.4	17.6	6.5	1.2	0.0	0.0	0.0
142.5°	35.9	33.5	35.3	29.4	20.0	15.3	5.3	0.6	0.0	0.0	0.0
145°	32.9	31.8	34.1	24.7	17.6	13.5	4.7	0.6	0.0	0.0	0.0
147.5°	30.6	30.0	32.4	20.6	15.3	11.8	3.5	0.0	0.0	0.0	0.0
150°	28.8	29.4	29.4	17.1	13.5	10.0	2.9	0.0	0.0	0.0	0.0
152.5°	27.1	27.7	25.9	14.1	11.2	8.2	1.8	0.0	0.0	0.0	0.0
155°	25.3	25.9	22.4	12.4	9.4	6.5	1.8	0.0	0.0	0.0	0.0
157.5°	24.1	24.1	19.4	10.6	7.1	4.7	1.2	0.0	0.0	0.0	0.0
160°	22.9	22.4	16.5	8.8	5.9	2.9	0.6	0.0	0.0	0.0	0.0
162.5°	20.6	18.2	13.5	7.6	4.7	2.4	0.6	0.0	0.0	0.0	0.0
165°	15.9	14.1	10.0	5.9	2.9	1.2	0.0	0.0	0.0	0.0	0.0
167.5°	11.2	10.0	6.5	4.1	2.4	1.2	0.0	0.0	0.0	0.0	0.0
170°	7.6	6.5	4.1	2.9	1.8	0.6	0.0	0.0	0.0	0.0	0.0
172.5°	4.7	4.1	2.9	2.4	1.2	0.6	0.0	0.0	0.0	0.0	0.0
175°	4.1	3.5	2.4	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)