

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: P1555007

Luminaire Tested: **AXCL8ARL-W**

Issue Date: 9/1/2026

Test Information

Test Method: LM-79-08
Report Number: P1555007
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-W
Description: Axcent Wall Mount Luminaire , Refractive Lens, 3000K LEDs
Light Source: -
Ballast/Driver: -

Summary

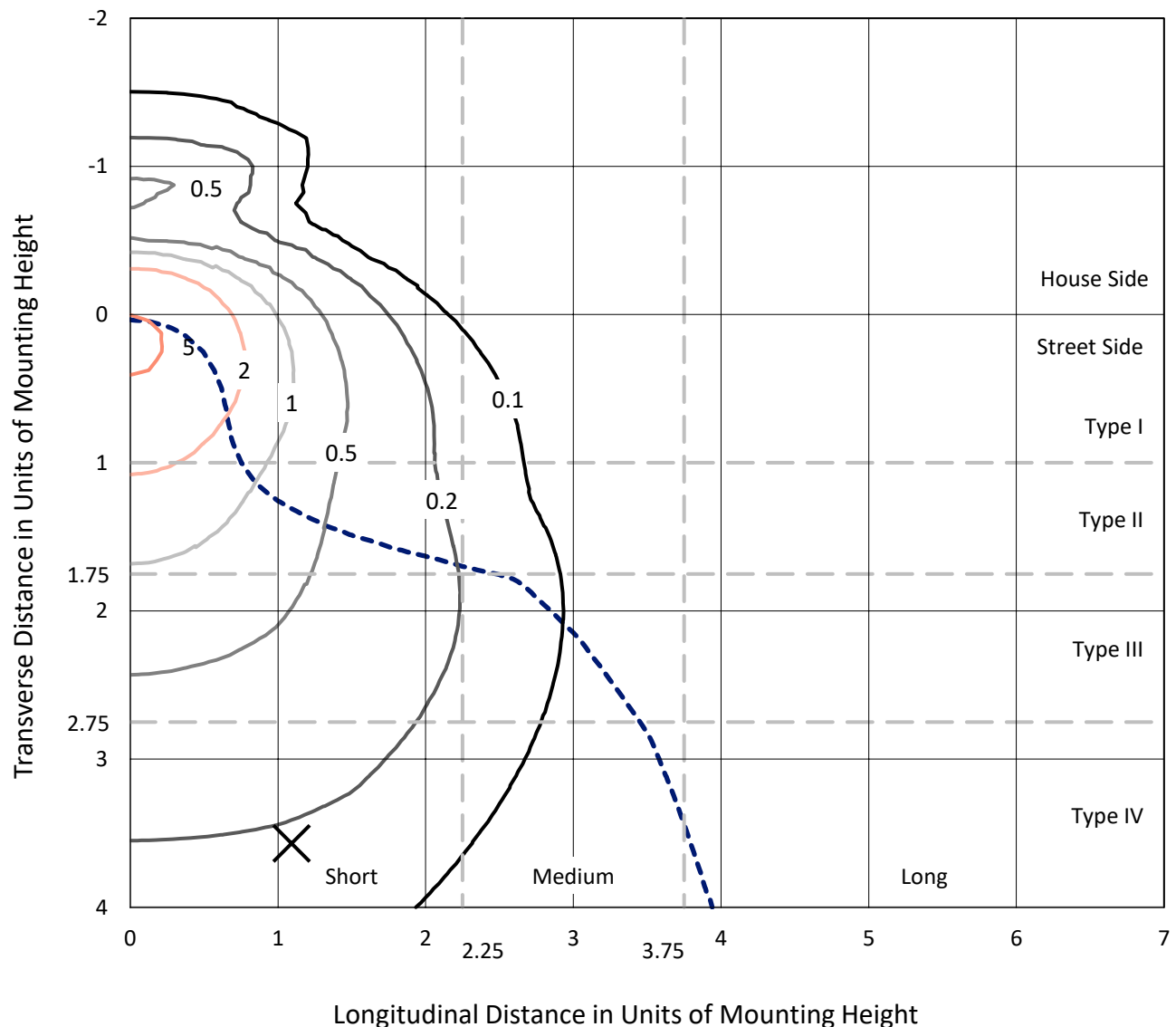
Lumens per Lamp: N/A
Luminaire Lumens: 8845 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')
IES Classification: Type IV - Short
BUG Rating: B1 - U4 - G5

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

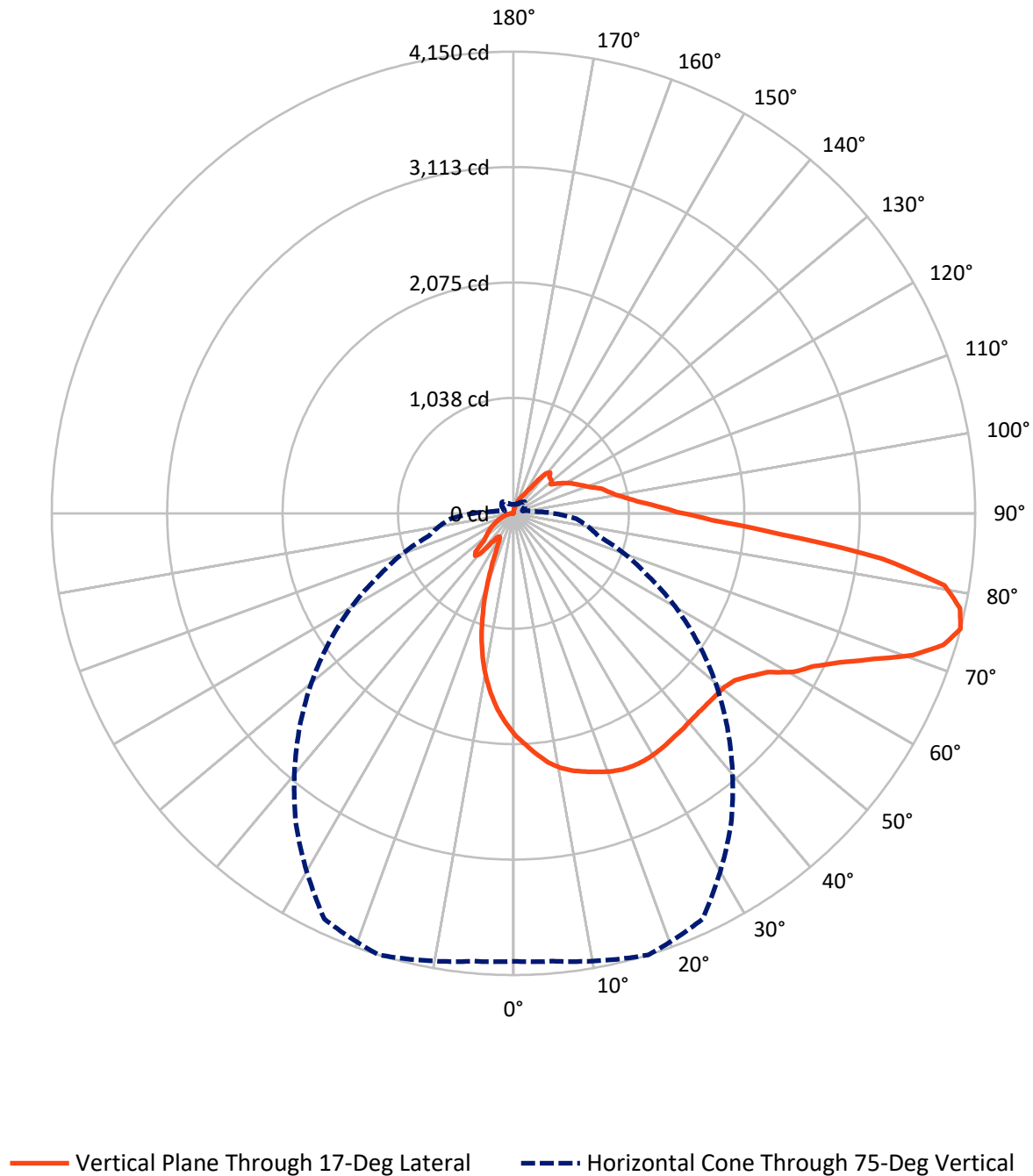
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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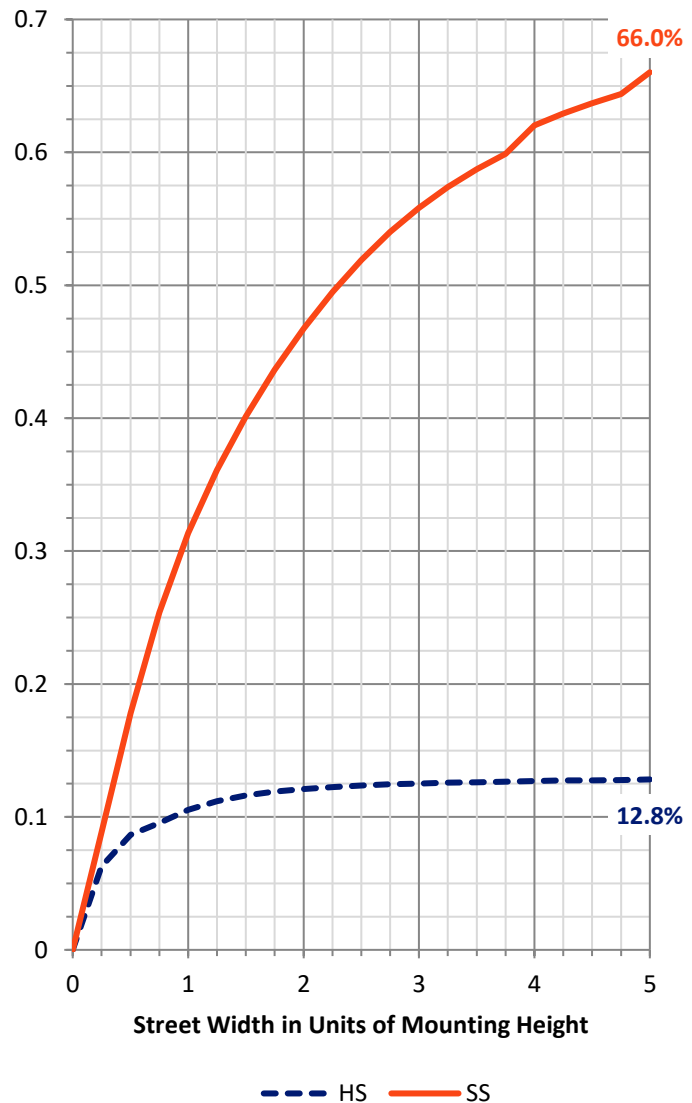
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.4	69.8	1225.1
	% Fixture	13.1	0.8	13.9
Street Side	Lumens	6388.5	1231.3	7619.9
	% Fixture	72.2	13.9	86.1
Total	Lumens	7543.9	1301.1	8845.0
	% Fixture	85.3	14.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	2.1
10°-20°	514.2	5.8
20°-30°	717.0	8.1
30°-40°	842.8	9.5
40°-50°	940.5	10.6
50°-60°	991.4	11.2
60°-70°	1160.1	13.1
70°-80°	1367.9	15.5
80°-90°	822.6	9.3
90°-100°	417.0	4.7
100°-110°	292.6	3.3
110°-120°	212.2	2.4
120°-130°	150.4	1.7
130°-140°	124.9	1.4
140°-150°	68.2	0.8
150°-160°	26.8	0.3
160°-170°	8.2	0.1
170°-180°	0.8	0.0
0°-90°	7543.9	85.3
0°-180°	8845.0	100.0

Coefficient of Utilization



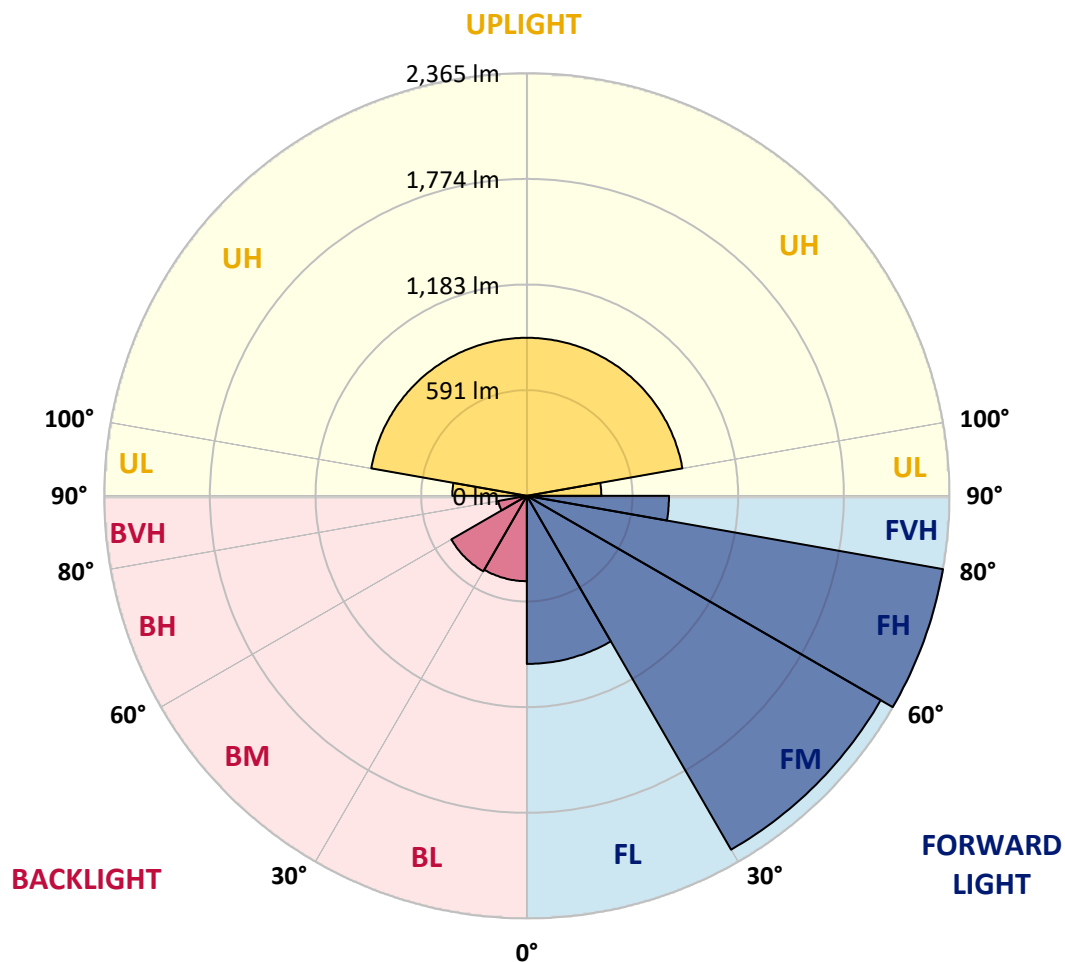
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	940.8	10.6			
FM	(30°-60°)	2286.9	25.9			
FH	(60°-80°)	2365.0	26.7			G2/5000
FVH	(80°-90°)	795.8	9.0			G5
BL	(0°-30°)	477.7	5.4	B1/500		
BM	(30°-60°)	487.9	5.5	B1/1000		
BH	(60°-80°)	163.0	1.8	B1/500		G1/500
BVH	(80°-90°)	26.8	0.3			G1/100
UL	(90°-100°)	417.0	4.7		U3/500	
UH	(100°-180°)	884.1	10.0		U4/1000	

BUG Rating: B1-U4-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
0°	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7
2.5°	2093.7	2090.1	2085.0	2082.5	2076.3	2069.7	2060.5	2045.7	2032.5	2013.6	2000.9
5°	2183.4	2184.4	2175.8	2174.7	2158.4	2144.7	2118.7	2094.2	2069.2	2033.0	2002.4
7.5°	2278.8	2272.6	2264.0	2262.4	2243.6	2219.1	2187.0	2140.1	2095.2	2046.2	1997.8
10°	2344.0	2340.5	2330.8	2327.2	2313.4	2284.9	2239.5	2184.4	2121.2	2051.9	1986.6
12.5°	2389.9	2385.8	2375.6	2373.6	2357.3	2327.7	2281.8	2218.6	2141.1	2049.8	1967.2
15°	2428.7	2424.1	2412.4	2409.8	2386.9	2356.3	2306.8	2240.0	2152.3	2043.7	1942.7
17.5°	2468.4	2463.3	2448.6	2443.5	2418.0	2376.7	2317.5	2247.7	2155.4	2030.9	1913.2
20°	2504.1	2498.5	2482.2	2477.6	2444.5	2394.0	2321.6	2245.1	2149.2	2012.6	1874.9
22.5°	2527.6	2522.5	2504.7	2501.6	2465.9	2406.2	2323.1	2232.9	2133.4	1987.1	1830.0
25°	2538.8	2533.7	2517.4	2512.8	2474.6	2411.3	2319.6	2216.0	2107.9	1952.9	1780.1
27.5°	2541.9	2537.3	2518.9	2513.8	2473.0	2405.7	2309.9	2194.6	2071.7	1911.6	1723.5
30°	2536.8	2532.2	2513.3	2507.2	2462.3	2390.9	2289.5	2164.0	2027.9	1865.7	1663.8
32.5°	2529.6	2524.0	2500.1	2492.9	2443.0	2368.0	2258.4	2125.8	1978.4	1813.7	1592.4
35°	2518.4	2511.8	2482.7	2474.6	2420.0	2334.9	2220.6	2083.0	1929.5	1754.6	1526.7
37.5°	2521.0	2512.8	2476.6	2464.9	2397.6	2296.1	2179.3	2036.6	1875.4	1696.5	1455.8
40°	2513.8	2504.7	2461.8	2450.6	2381.3	2260.9	2123.2	1983.5	1824.9	1636.8	1390.5
42.5°	2519.4	2510.3	2459.3	2443.0	2354.7	2218.6	2071.7	1932.5	1762.2	1574.6	1309.9
45°	2532.2	2521.0	2461.8	2442.4	2335.9	2173.7	2024.3	1875.9	1707.7	1501.2	1237.0
47.5°	2530.1	2522.0	2463.3	2446.5	2328.2	2139.0	1972.8	1825.5	1638.8	1431.3	1160.5
50°	2564.3	2548.5	2475.6	2456.2	2325.2	2117.1	1928.5	1772.4	1569.5	1344.1	1082.5
52.5°	2618.9	2601.5	2516.9	2491.4	2348.1	2105.4	1886.6	1717.4	1510.3	1269.7	1010.1
55°	2730.5	2704.5	2610.7	2582.2	2411.3	2121.7	1846.4	1666.4	1448.1	1203.4	926.5
57.5°	2863.1	2859.0	2727.5	2693.3	2507.2	2165.1	1845.9	1603.6	1397.1	1134.0	862.8
60°	3050.2	3037.0	2928.4	2894.7	2675.5	2257.3	1886.1	1560.8	1350.2	1077.9	803.1
62.5°	3190.0	3164.5	3051.3	3026.3	2868.2	2421.0	1952.9	1557.8	1298.2	1031.5	742.9
65°	3394.9	3363.8	3259.3	3229.2	3027.8	2619.9	2099.3	1589.4	1234.0	996.4	698.6
67.5°	3612.7	3596.4	3518.9	3491.8	3357.2	2913.6	2303.7	1687.8	1186.5	971.9	650.6
70°	3841.1	3831.9	3809.0	3813.6	3740.2	3274.1	2609.2	1875.9	1205.9	955.6	612.9
72.5°	3954.3	3945.6	4018.6	4041.5	4018.0	3487.2	2813.1	2129.9	1278.8	888.8	587.9
75°	4027.2	4041.5	4132.3	4150.1	4023.7	3409.2	2717.3	2022.3	1337.0	788.8	568.5
77.5°	4076.2	4084.8	4124.1	4102.7	3818.7	3096.1	2456.2	1821.9	1233.5	716.9	542.5
80°	4036.9	4038.4	3997.1	3928.3	3466.8	2723.4	2023.8	1466.5	1050.9	611.9	464.0
82.5°	3789.1	3751.9	3478.6	3334.8	2789.2	2029.9	1353.3	1027.5	855.1	548.7	317.7
85°	3072.2	3037.5	2515.9	2405.2	1982.0	1458.8	1106.5	903.6	758.7	534.4	202.9
87.5°	2163.5	2132.9	1866.3	1784.7	1563.4	1218.7	992.3	826.0	683.8	497.7	123.9
90°	1713.8	1678.6	1506.8	1468.0	1321.2	1089.7	896.4	746.0	610.9	422.7	102.0
92.5°	1424.2	1402.7	1294.1	1277.8	1171.3	988.7	824.5	681.2	539.5	333.5	91.3
95°	1208.0	1203.9	1123.8	1117.7	1058.1	914.3	766.4	639.4	468.6	253.4	87.2
97.5°	1063.7	1050.9	1006.0	1013.7	976.5	841.9	706.7	598.1	398.7	206.5	92.3
100°	955.6	949.4	916.8	928.5	898.5	788.8	664.4	544.1	348.8	176.9	98.4
102.5°	882.6	877.0	855.6	870.4	843.9	736.3	624.1	493.6	314.6	173.4	103.5
105°	822.5	818.9	809.2	824.0	798.5	683.8	574.7	453.3	284.5	175.4	107.6
107.5°	763.8	757.7	742.4	752.1	719.0	629.2	523.2	415.6	274.8	179.0	109.6
110°	685.8	685.8	685.3	694.5	669.0	585.4	482.9	372.7	273.3	180.5	109.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	17°	25°	35°	45°	55°	65°	75°	85°
112.5°	649.6	646.6	645.5	651.7	619.0	537.9	455.9	344.2	254.4	179.0	106.6
115°	612.9	609.3	610.9	611.4	579.3	498.7	419.1	328.9	239.7	172.9	101.0
117.5°	580.8	578.7	578.7	578.2	536.4	468.6	377.3	312.6	227.9	161.6	93.8
120°	541.5	539.0	535.9	535.9	500.7	426.3	355.9	279.9	213.7	154.0	87.2
122.5°	503.3	500.7	494.1	494.1	456.4	385.0	343.2	269.2	209.6	145.3	81.1
125°	467.6	465.5	459.9	456.9	416.1	390.6	316.7	260.6	202.4	140.7	75.0
127.5°	440.0	436.5	426.8	424.2	424.8	384.0	314.1	251.4	204.5	134.1	69.3
130°	460.4	452.8	452.3	451.3	431.4	369.7	325.3	266.2	204.0	130.0	63.7
132.5°	472.7	470.1	458.4	454.8	423.7	393.6	319.2	267.7	202.4	124.4	58.1
135°	475.2	472.7	461.0	460.4	449.2	394.2	346.2	277.4	197.8	117.3	52.5
137.5°	499.7	499.2	495.1	493.1	455.3	400.8	344.2	270.8	186.6	106.6	47.9
140°	490.5	488.5	471.7	467.6	439.5	400.3	331.4	249.9	162.1	92.3	43.9
142.5°	395.2	397.2	389.6	392.1	365.6	309.0	267.2	198.4	136.7	81.1	40.3
145°	307.5	307.5	292.7	286.1	268.2	250.4	214.2	162.1	117.8	73.4	36.7
147.5°	234.0	233.5	238.1	239.7	223.3	198.9	167.8	138.7	101.0	66.8	32.1
150°	207.0	204.5	193.8	193.3	189.7	167.8	149.4	127.0	91.3	60.2	29.1
152.5°	182.5	183.6	178.5	175.9	163.2	153.0	137.2	110.6	83.6	53.0	25.5
155°	155.0	155.5	153.5	154.0	150.4	137.7	117.3	95.4	73.9	46.9	23.5
157.5°	140.2	139.7	135.6	135.6	134.6	116.8	98.4	84.6	62.7	40.8	22.4
160°	123.4	122.9	118.3	115.2	108.1	94.3	84.1	67.8	53.5	35.2	21.4
162.5°	95.9	94.8	91.3	89.7	85.7	80.1	68.3	56.1	42.8	29.1	18.4
165°	79.0	79.0	77.0	77.5	72.4	62.2	54.6	44.4	33.7	21.9	14.8
167.5°	60.7	59.7	58.6	57.6	54.6	49.5	41.8	34.2	24.0	15.3	10.7
170°	46.4	46.4	44.9	44.4	41.3	37.2	30.6	21.9	15.8	8.7	7.1
172.5°	32.6	33.1	31.6	31.1	29.1	22.9	17.8	12.7	8.7	6.1	4.6
175°	16.3	15.3	11.7	11.7	10.2	9.2	7.1	5.6	4.6	4.1	3.6
177.5°	2.5	2.0	2.5	2.5	3.1	3.6	3.6	4.1	3.6	3.6	3.1
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7	1994.7
2.5°	1992.2	1983.0	1965.2	1949.9	1935.6	1920.8	1910.6	1898.9	1885.1	1882.1	1885.1
5°	1985.1	1966.7	1932.0	1897.4	1861.2	1835.7	1806.1	1786.2	1769.4	1761.7	1759.2
7.5°	1971.3	1945.3	1890.2	1837.7	1784.2	1736.2	1692.4	1662.8	1633.2	1624.0	1627.6
10°	1952.4	1914.7	1841.3	1769.9	1693.9	1627.1	1570.5	1517.0	1485.4	1463.9	1461.9
12.5°	1923.4	1878.0	1783.6	1690.8	1595.5	1507.8	1428.8	1370.6	1318.1	1299.7	1286.5
15°	1889.7	1834.1	1721.9	1601.1	1483.8	1381.8	1277.3	1198.8	1128.4	1103.9	1087.6
17.5°	1849.4	1785.2	1650.1	1509.8	1366.5	1231.4	1112.1	994.8	926.5	879.1	885.7
20°	1804.6	1731.1	1576.6	1409.9	1239.1	1071.8	926.0	806.7	721.5	676.6	667.5
22.5°	1751.0	1669.4	1490.5	1302.3	1107.5	909.7	741.4	611.4	520.1	483.4	473.7
25°	1695.9	1600.6	1402.2	1189.1	961.2	745.5	569.1	442.6	375.3	343.2	340.1
27.5°	1627.6	1530.7	1308.9	1074.4	814.3	591.0	425.3	326.8	275.3	263.6	259.5
30°	1557.2	1450.2	1213.6	948.4	680.2	464.5	320.2	256.5	243.7	245.8	245.3
32.5°	1481.3	1366.5	1108.0	826.6	546.6	353.9	251.9	241.7	247.8	259.0	261.1
35°	1407.3	1286.5	1014.2	703.7	439.0	276.9	228.9	248.3	272.8	292.7	299.3
37.5°	1333.4	1199.8	909.7	596.1	352.9	232.0	231.5	271.8	352.3	437.0	454.3
40°	1252.8	1121.3	810.2	497.2	286.6	213.1	248.3	347.8	498.7	544.6	545.6
42.5°	1177.9	1031.0	717.4	416.6	239.7	214.7	271.8	475.7	523.2	525.2	522.1
45°	1096.3	955.1	627.2	342.1	207.5	222.3	354.9	492.6	485.4	425.3	413.0
47.5°	1021.8	871.9	546.1	285.5	192.2	233.0	440.6	460.4	344.2	327.9	326.8
50°	936.2	794.4	470.6	239.7	188.7	253.9	427.3	341.1	322.8	301.4	298.3
52.5°	866.8	715.4	398.7	207.5	188.2	304.4	385.5	319.2	288.6	274.3	273.8
55°	789.8	646.0	330.4	182.5	187.1	351.8	287.6	295.7	262.1	256.5	252.9
57.5°	711.8	566.0	273.8	164.2	185.6	325.8	269.7	261.6	239.7	222.3	221.3
60°	658.3	498.2	221.3	150.4	186.1	285.5	261.6	233.0	207.0	195.3	192.7
62.5°	590.0	440.0	181.5	141.2	187.1	225.4	245.3	205.5	180.5	170.8	168.8
65°	534.4	379.4	154.5	132.6	192.7	189.2	222.3	176.9	157.6	147.9	146.9
67.5°	483.9	324.3	131.0	125.4	197.3	178.0	197.3	154.0	136.1	129.0	127.0
70°	434.4	274.3	113.2	117.3	179.0	166.2	173.4	132.1	118.3	112.2	111.7
72.5°	395.2	227.9	96.9	108.6	153.0	155.0	146.3	113.7	101.5	94.8	94.8
75°	355.4	185.6	82.1	100.5	132.1	142.8	121.9	93.8	84.1	79.5	79.0
77.5°	314.6	134.1	71.4	95.9	116.8	129.5	102.5	77.0	68.8	65.3	65.8
80°	245.8	89.7	62.7	90.8	110.6	110.1	81.1	60.2	54.0	52.5	53.0
82.5°	165.7	56.6	53.0	74.4	96.4	90.3	58.6	44.9	39.8	38.8	38.2
85°	98.4	39.8	44.9	59.7	73.9	63.2	40.3	31.6	27.0	24.0	24.0
87.5°	57.6	33.1	37.2	53.0	51.5	39.3	26.0	18.9	13.8	11.2	10.7
90°	40.8	32.6	33.7	53.0	39.3	26.0	15.3	6.1	0.0	0.0	0.0
92.5°	41.8	36.2	35.7	56.6	39.3	25.5	14.8	6.1	0.0	0.0	0.0
95°	54.0	41.8	39.8	53.5	40.8	27.0	15.8	7.6	0.0	0.0	0.0
97.5°	64.2	47.4	43.9	51.0	41.8	28.0	16.3	7.1	0.0	0.0	0.0
100°	70.9	53.5	45.4	49.5	43.3	29.6	16.8	7.1	0.0	0.0	0.0
102.5°	77.0	59.7	48.4	50.5	45.4	30.1	17.3	7.6	0.0	0.0	0.0
105°	81.1	64.8	52.5	51.5	46.4	30.6	17.8	7.6	0.5	0.0	0.0
107.5°	82.6	67.3	56.1	51.0	49.0	30.6	17.3	7.6	0.5	0.0	0.0
110°	82.6	68.3	58.6	52.5	50.5	31.1	17.3	7.6	0.5	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	79.5	67.3	58.6	53.5	47.9	32.1	16.8	7.1	0.5	0.0	0.0
115°	76.0	65.3	57.6	56.6	44.9	31.6	16.3	7.1	0.5	0.0	0.0
117.5°	70.9	62.2	56.1	57.6	42.8	30.1	15.8	6.6	0.5	0.0	0.0
120°	65.3	58.6	53.5	57.1	42.3	27.5	14.8	6.1	0.0	0.0	0.0
122.5°	60.2	54.0	50.5	54.0	41.3	25.5	13.8	5.1	0.0	0.0	0.0
125°	55.1	49.5	46.4	51.0	39.3	24.0	12.2	4.6	0.0	0.0	0.0
127.5°	50.5	45.4	42.3	48.4	35.7	22.4	10.7	3.6	0.0	0.0	0.0
130°	45.9	40.8	38.8	44.4	31.1	20.9	9.7	2.5	0.0	0.0	0.0
132.5°	41.8	37.2	35.2	40.8	28.0	19.9	8.2	2.0	0.0	0.0	0.0
135°	38.2	34.7	32.1	36.7	25.0	18.4	7.6	1.5	0.0	0.0	0.0
137.5°	35.2	32.6	31.1	33.1	21.4	16.8	6.6	1.0	0.0	0.0	0.0
140°	33.1	30.6	31.1	29.1	19.4	15.3	5.6	1.0	0.0	0.0	0.0
142.5°	31.1	29.1	30.6	25.5	17.3	13.3	4.6	0.5	0.0	0.0	0.0
145°	28.6	27.5	29.6	21.4	15.3	11.7	4.1	0.5	0.0	0.0	0.0
147.5°	26.5	26.0	28.0	17.8	13.3	10.2	3.1	0.0	0.0	0.0	0.0
150°	25.0	25.5	25.5	14.8	11.7	8.7	2.5	0.0	0.0	0.0	0.0
152.5°	23.5	24.0	22.4	12.2	9.7	7.1	1.5	0.0	0.0	0.0	0.0
155°	21.9	22.4	19.4	10.7	8.2	5.6	1.5	0.0	0.0	0.0	0.0
157.5°	20.9	20.9	16.8	9.2	6.1	4.1	1.0	0.0	0.0	0.0	0.0
160°	19.9	19.4	14.3	7.6	5.1	2.5	0.5	0.0	0.0	0.0	0.0
162.5°	17.8	15.8	11.7	6.6	4.1	2.0	0.5	0.0	0.0	0.0	0.0
165°	13.8	12.2	8.7	5.1	2.5	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	9.7	8.7	5.6	3.6	2.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	6.6	5.6	3.6	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
172.5°	4.1	3.6	2.5	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
175°	3.6	3.1	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)