Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202624

Luminaire Tested: GWC-SB2A-735-U-SL2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202624
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-735-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7270 lumens
Efficiency:	N/A
Efficacy:	126.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

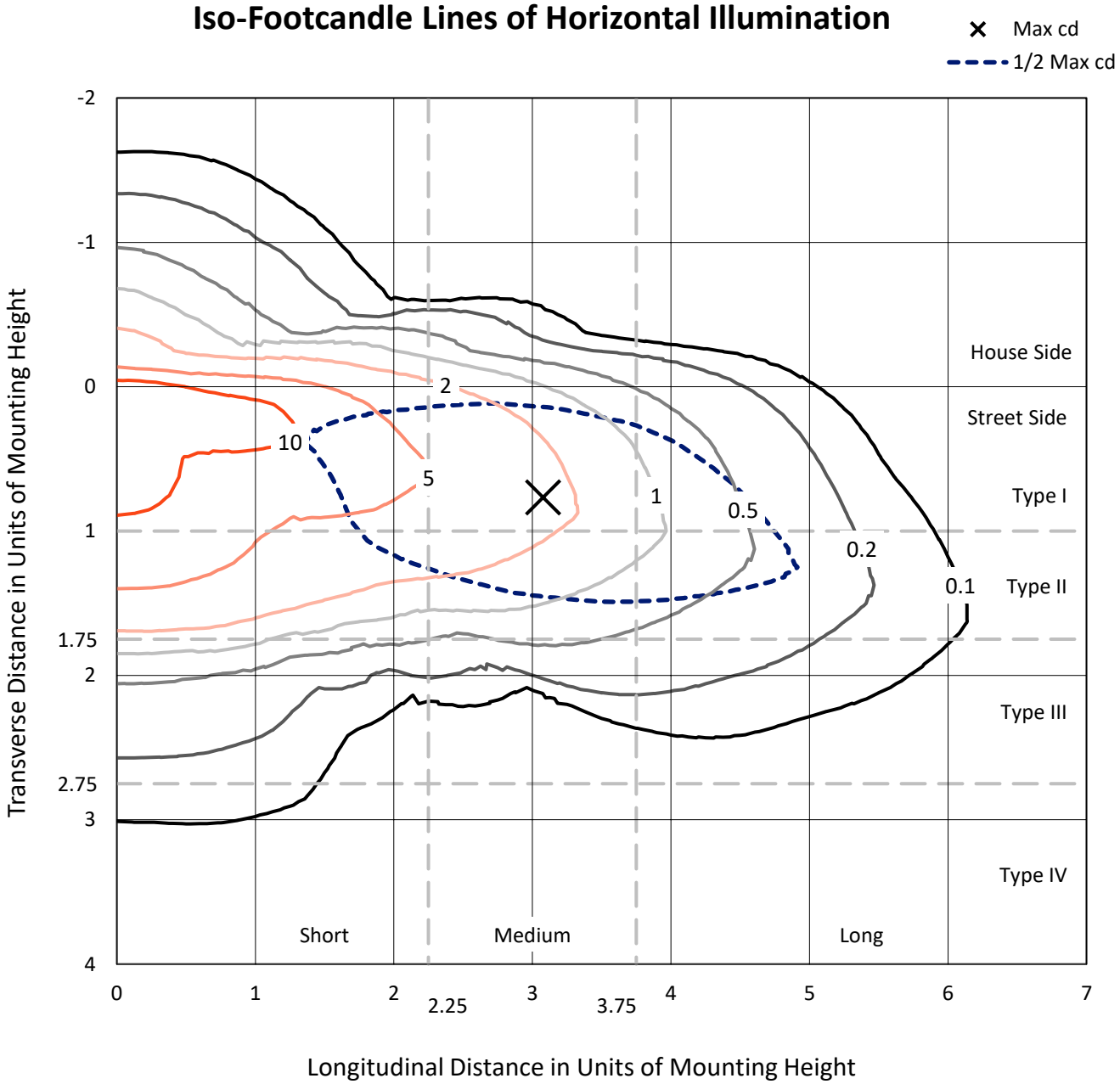


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Iso-Footcandle Lines of Horizontal Illumination



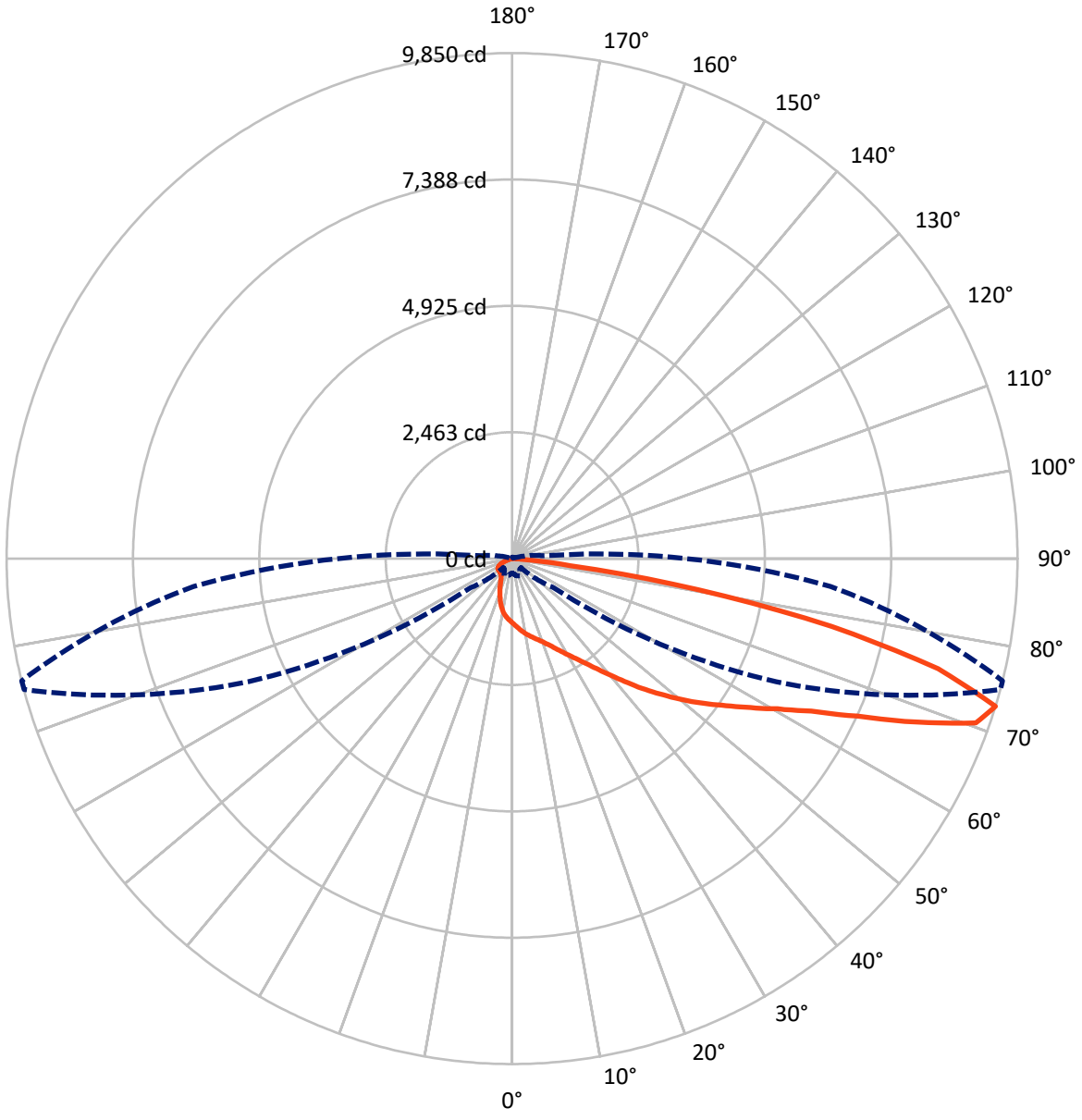
Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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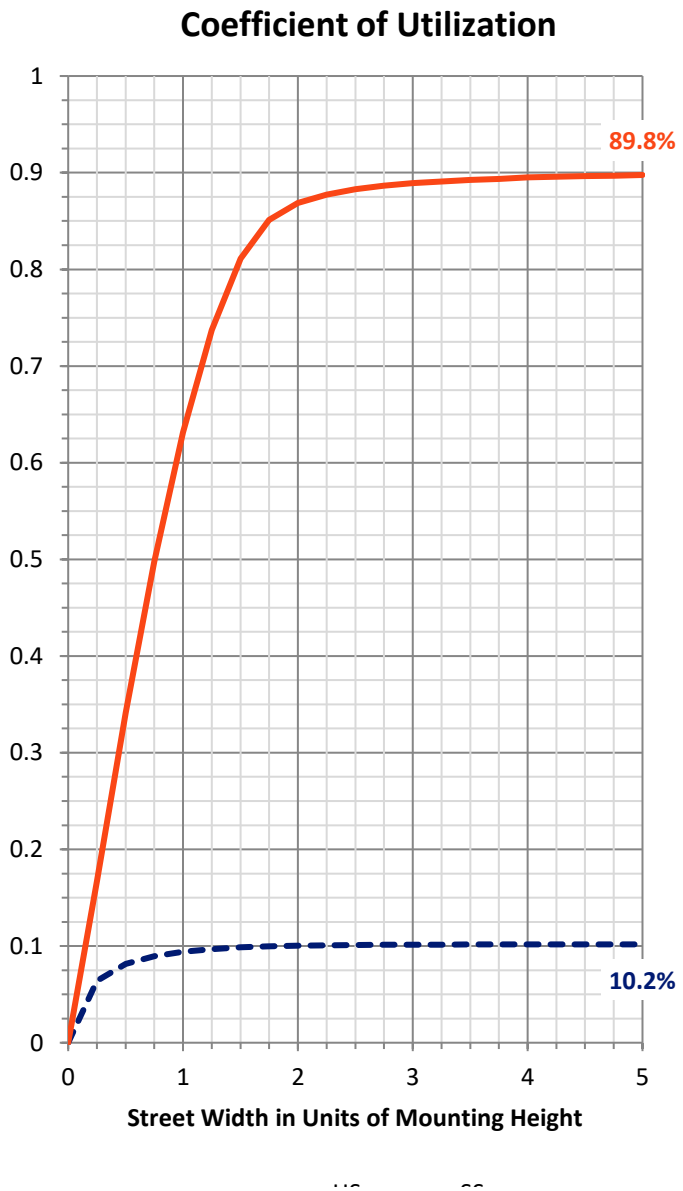
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.1	0.0	744.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	6525.9	0.0	6525.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	7270.0	0.0	7270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.6
10°-20°	306.4	4.2
20°-30°	484.9	6.7
30°-40°	750.2	10.3
40°-50°	1139.5	15.7
50°-60°	1570.9	21.6
60°-70°	1659.5	22.8
70°-80°	1138.5	15.7
80°-90°	106.0	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7270.0	100.0
0°-180°	7270.0	100.0



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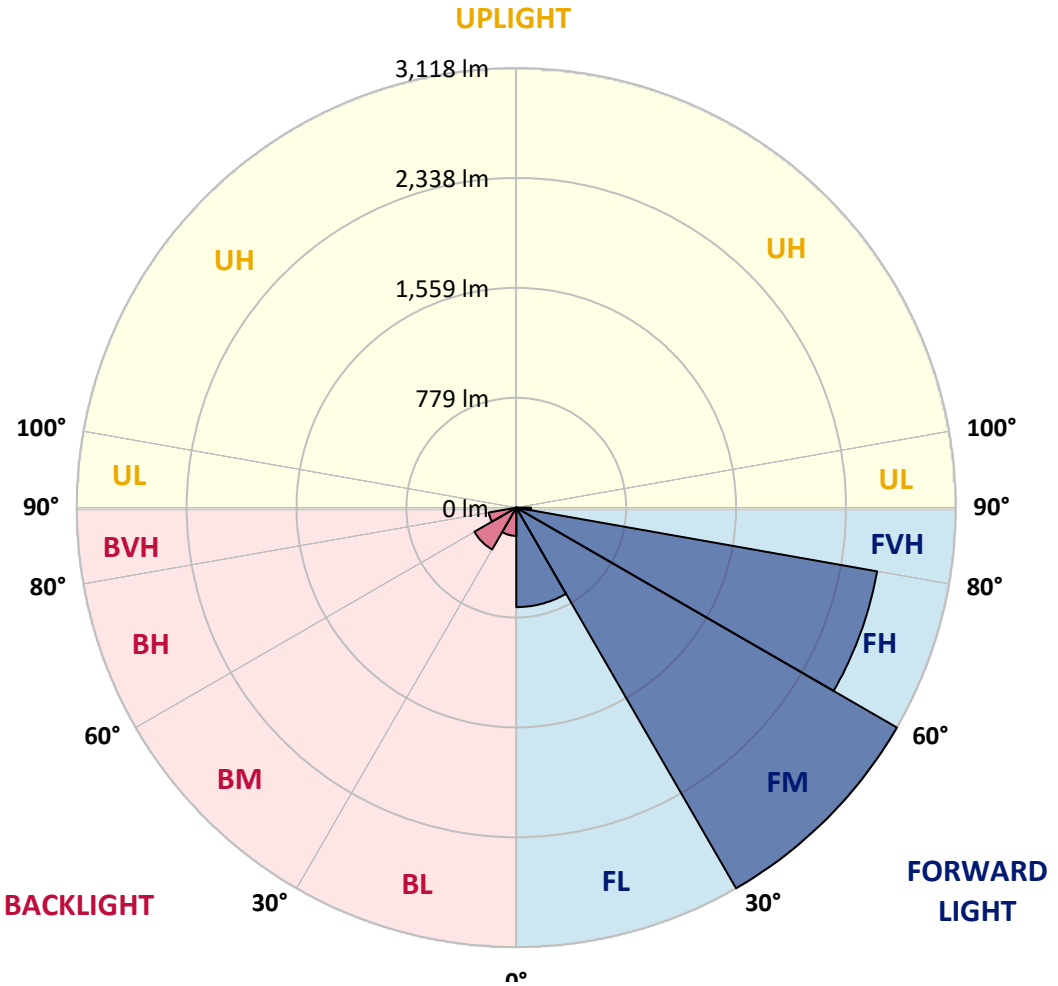
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	705.5	9.7			
FM	(30°-60°)	3117.9	42.9			
FH	(60°-80°)	2599.3	35.8			G2/5000
FVH	(80°-90°)	103.1	1.4			G2/225
BL	(0°-30°)	200.0	2.8	B1/500		
BM	(30°-60°)	342.6	4.7	B1/1000		
BH	(60°-80°)	198.6	2.7	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	*1256.3*	1256.3
2.5°	1460.5	1441.2	1445.0	1425.6	1416.7	1395.0	1372.3	1342.6	1309.6	*1309.6*	1277.5
5°	1614.3	1602.0	1602.0	1579.4	1561.9	1528.0	1487.4	1435.1	1372.8	*1366.7*	1305.8
7.5°	1708.6	1701.0	1705.7	1692.5	1678.4	1643.0	1594.9	1526.5	1438.4	*1430.8*	1339.3
10°	1727.0	1726.5	1739.7	1743.5	1752.9	1735.0	1692.1	1613.3	1503.0	*1492.1*	1368.1
12.5°	1655.8	1646.8	1679.3	1717.5	1771.3	1795.3	1773.2	1692.5	1561.9	*1546.8*	1395.0
15°	1538.8	1540.7	1571.8	1630.8	1720.4	1806.2	1835.0	1769.9	1621.8	*1603.9*	1420.4
17.5°	1471.8	1464.8	1491.6	1544.5	1643.5	1764.7	1863.7	1842.0	1685.5	*1665.2*	1446.4
20°	1463.8	1463.3	1469.5	1493.5	1569.0	1705.3	1860.4	1912.3	1760.5	*1736.9*	1483.6
22.5°	1519.5	1518.5	1513.3	1508.6	1529.4	1647.3	1846.3	1979.3	1850.1	*1824.6*	1536.4
25°	1604.8	1603.4	1595.4	1566.6	1546.3	1616.1	1833.1	2041.5	1956.2	*1927.9*	1600.6
27.5°	1709.0	1708.1	1693.5	1650.1	1597.8	1619.0	1826.5	2105.7	2078.8	*2051.0*	1674.6
30°	1836.8	1835.0	1804.8	1743.5	1675.1	1663.8	1835.4	2177.8	2206.6	*2185.4*	1760.0
32.5°	1997.2	1992.0	1952.4	1860.0	1764.2	1723.7	1852.4	2251.8	2358.0	*2338.1*	1874.1
35°	2121.2	2113.2	2090.1	2008.5	1867.5	1797.2	1892.0	2339.6	2540.0	*2522.5*	2019.8
37.5°	2227.8	2219.8	2200.9	2134.0	2015.6	1891.1	1955.7	2456.5	2755.0	*2746.5*	2197.6
40°	2342.9	2329.7	2320.7	2249.0	2142.0	2026.4	2046.7	2593.3	3002.6	*3003.6*	2411.2
42.5°	2431.5	2426.3	2427.3	2372.1	2264.1	2186.8	2167.4	2747.5	3299.3	*3308.2*	2668.3
45°	2507.5	2503.2	2520.7	2482.0	2387.2	2291.9	2308.9	2922.0	3623.7	*3642.1*	2955.9
47.5°	2565.9	2570.6	2595.6	2570.6	2515.0	2366.0	2434.4	3110.1	3964.7	*3967.0*	3253.0
50°	2624.4	2626.3	2667.8	2655.5	2632.9	2459.8	2549.9	3320.5	4324.0	*4328.3*	3530.8
52.5°	2642.8	2640.0	2706.0	2736.2	2737.1	2575.8	2699.4	3549.7	4676.3	*4690.0*	3816.6
55°	2548.5	2556.5	2663.1	2785.7	2834.3	2736.2	2901.2	3839.7	5051.7	*5057.3*	4099.5
57.5°	2087.3	2131.6	2367.4	2651.8	2897.0	2965.8	3191.3	4178.8	5485.1	*5479.9*	4386.3
60°	1266.7	1319.5	1601.5	2224.0	2692.3	3196.4	3618.5	4704.1	5958.6	*5943.9*	4676.3
62.5°	708.3	724.4	814.4	1331.3	2047.6	3049.8	4035.9	5379.0	6594.3	*6544.7*	4961.6
65°	522.1	527.2	548.5	652.2	1006.4	2345.7	3944.4	6185.9	7487.5	*7399.3*	5303.5
67.5°	453.7	458.9	479.6	493.8	449.4	1232.3	3249.7	6633.4	8621.6	*8506.1*	5766.1
70°	382.0	384.8	418.3	427.7	321.6	468.8	2087.7	6495.2	9671.4	*9588.9*	6262.7
72.5°	*284.8*	*296.2*	*344.7*	*367.4*	*258.0*	*249.0*	*982.8*	*5678.9*	*9849.2*	*9850.1*	*6229.2*
75°	193.4	203.7	259.4	302.3	199.0	174.5	396.6	4240.5	8576.4	*8576.4*	5460.6
77.5°	132.0	140.5	180.6	237.2	150.9	119.8	205.6	2691.4	6152.9	*6369.3*	3892.0
80°	58.5	63.7	116.5	172.1	114.6	77.3	116.5	1473.7	3720.9	*3675.1*	1525.6
82.5°	28.8	33.0	74.5	107.5	74.0	47.6	61.3	700.8	1205.9	*1146.0*	238.2
85°	5.7	7.5	40.1	45.7	34.4	21.2	23.1	215.5	145.3	*166.0*	50.5
87.5°	0.0	0.0	12.3	8.5	3.8	4.7	4.7	19.3	11.3	*13.2*	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3	1256.3
2.5°	1260.6	1243.1	1204.9	1167.2	1128.5	1093.1	1068.6	1044.1	1029.0	1022.4	1023.4
5°	1270.5	1235.1	1154.9	1071.0	988.0	906.9	846.0	789.0	771.1	741.3	743.2
7.5°	1286.0	1228.5	1102.1	960.6	825.8	706.9	621.1	552.7	525.4	498.9	498.5
10°	1296.4	1216.2	1032.3	843.2	660.7	527.2	445.2	395.7	377.7	361.7	361.2
12.5°	1300.6	1193.6	952.1	711.6	514.0	401.8	352.8	329.6	323.5	317.9	317.9
15°	1304.4	1171.4	862.5	584.8	406.0	336.2	316.9	309.4	305.1	301.3	301.3
17.5°	1307.7	1143.1	760.2	475.4	342.8	309.8	300.4	292.4	289.1	284.8	284.8
20°	1319.0	1115.8	668.7	392.4	308.4	291.0	280.6	272.1	269.3	266.4	266.9
22.5°	1340.3	1093.6	580.1	336.2	287.7	271.6	258.4	249.0	247.1	245.2	243.8
25°	1365.7	1066.3	496.6	299.9	267.4	249.5	234.9	226.8	224.9	225.4	224.5
27.5°	1398.3	1036.1	424.9	276.8	249.5	228.7	212.2	206.1	207.0	208.9	208.0
30°	1434.1	1008.3	368.8	260.8	233.4	210.3	193.8	189.6	192.9	195.7	194.8
32.5°	1487.4	983.7	329.6	248.1	219.3	195.2	182.0	176.8	180.6	184.4	183.4
35°	1560.0	971.5	307.5	237.2	207.0	183.4	170.2	166.5	170.2	171.2	170.7
37.5°	1649.2	970.5	298.0	228.3	195.7	173.5	158.9	157.5	160.3	160.8	159.9
40°	1764.2	976.7	291.0	221.6	183.9	162.2	148.6	147.1	148.1	151.4	150.9
42.5°	1909.9	1002.1	281.1	213.2	171.2	150.9	140.1	136.8	136.3	140.1	139.6
45°	2092.9	1058.3	267.9	199.5	159.9	141.5	130.6	126.9	125.4	126.4	127.8
47.5°	2292.4	1127.1	254.7	186.8	151.9	133.9	123.1	118.4	116.0	116.0	116.0
50°	2485.8	1204.9	245.7	173.5	146.2	126.9	115.1	110.4	106.6	105.6	105.2
52.5°	2677.2	1281.3	238.6	160.3	139.6	117.9	107.5	102.3	98.1	96.2	95.3
55°	2851.7	1353.9	226.4	147.6	131.1	108.5	100.0	94.8	89.6	86.3	84.9
57.5°	3019.1	1414.3	203.7	134.4	117.9	99.5	92.0	86.3	80.2	75.9	74.0
60°	3171.5	1445.4	175.4	120.3	104.7	90.1	83.0	77.8	69.8	62.7	60.8
62.5°	3287.5	1433.2	144.8	104.2	91.0	81.6	72.6	67.4	58.0	49.5	46.2
65°	3406.3	1366.2	115.5	87.2	79.7	70.3	60.8	55.6	44.8	35.8	33.5
67.5°	3560.5	1223.3	91.0	72.6	68.9	55.6	47.6	44.3	36.8	28.3	26.4
70°	3659.5	950.3	70.7	58.9	56.6	40.6	36.8	36.3	29.2	21.7	19.3
72.5°	*3387.9*	*623.0*	*54.2*	*44.8*	*40.6*	*26.4*	*28.3*	*28.3*	*21.2*	*14.6*	*12.7*
75°	2828.1	364.5	39.1	32.1	23.1	17.0	19.3	19.3	13.2	7.1	5.7
77.5°	2019.8	194.3	25.9	19.8	11.8	7.5	10.4	9.9	4.2	0.5	0.0
80°	772.5	67.0	12.3	8.0	3.3	1.4	0.9	0.5	0.5	0.0	0.0
82.5°	117.9	17.4	2.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


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(END OF REPORT)