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: P1202341

Luminaire Tested: GWC-SB1D-827-U-SL3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202341
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8694 lumens
Efficiency:	N/A
Efficacy:	109.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G3

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

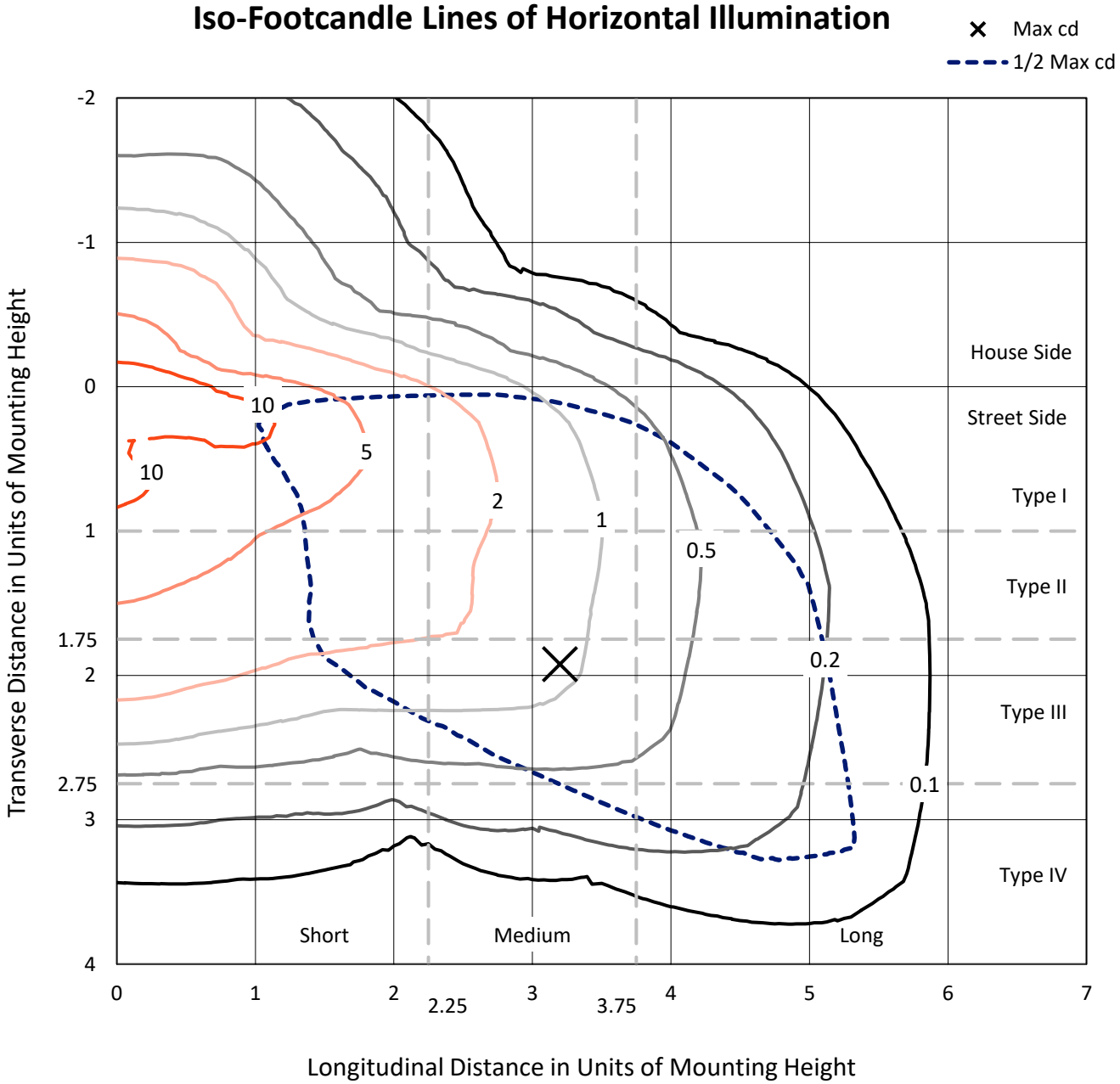


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Iso-Footcandle Lines of Horizontal Illumination



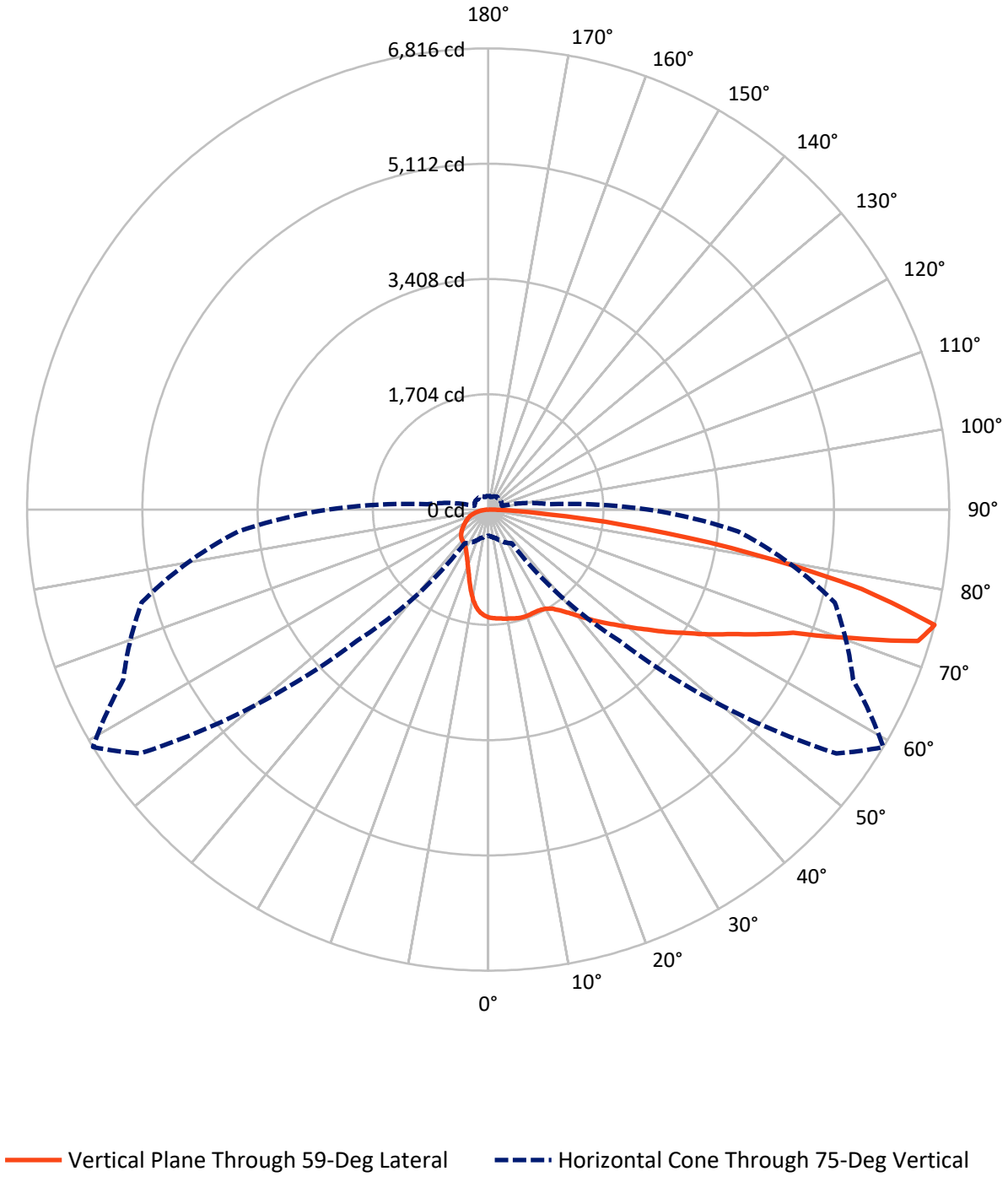
Based on 10 foot mounting height. Maximum calculated value = 16 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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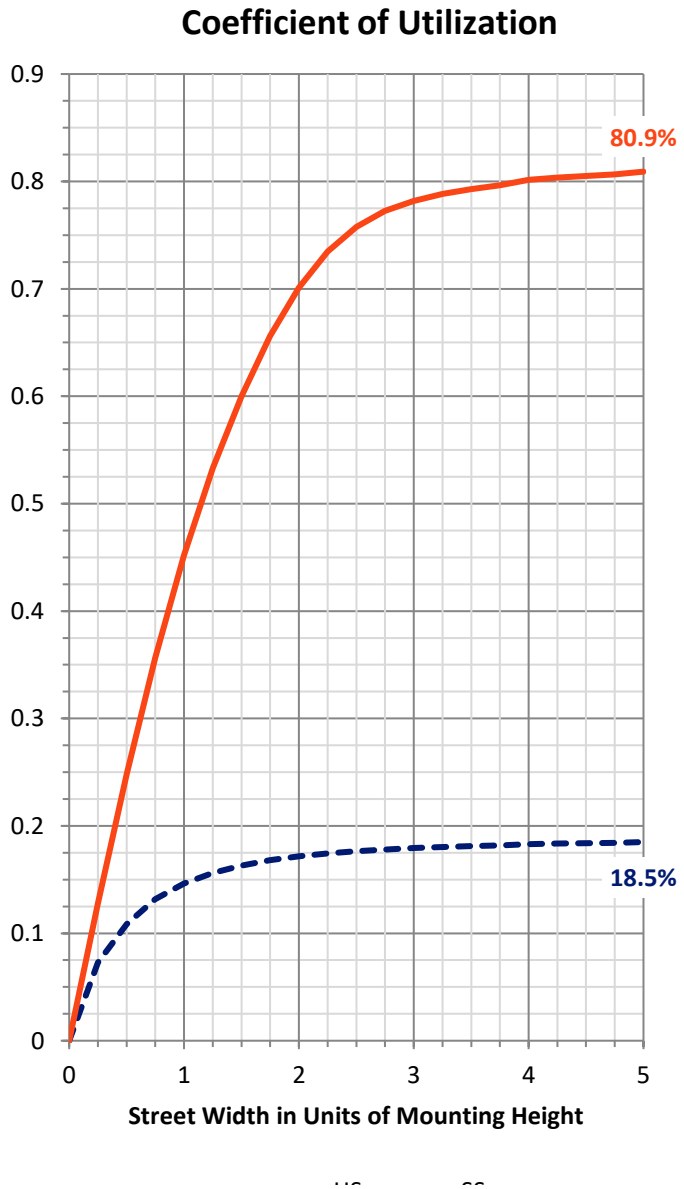
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.6	0.0	1630.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	7063.4	0.0	7063.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	8694.0	0.0	8694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	1.6
10°-20°	365.7	4.2
20°-30°	555.5	6.4
30°-40°	825.8	9.5
40°-50°	1228.1	14.1
50°-60°	1667.0	19.2
60°-70°	2035.1	23.4
70°-80°	1597.1	18.4
80°-90°	276.7	3.2
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°	8694.0	100.0
0°-180°	8694.0	100.0



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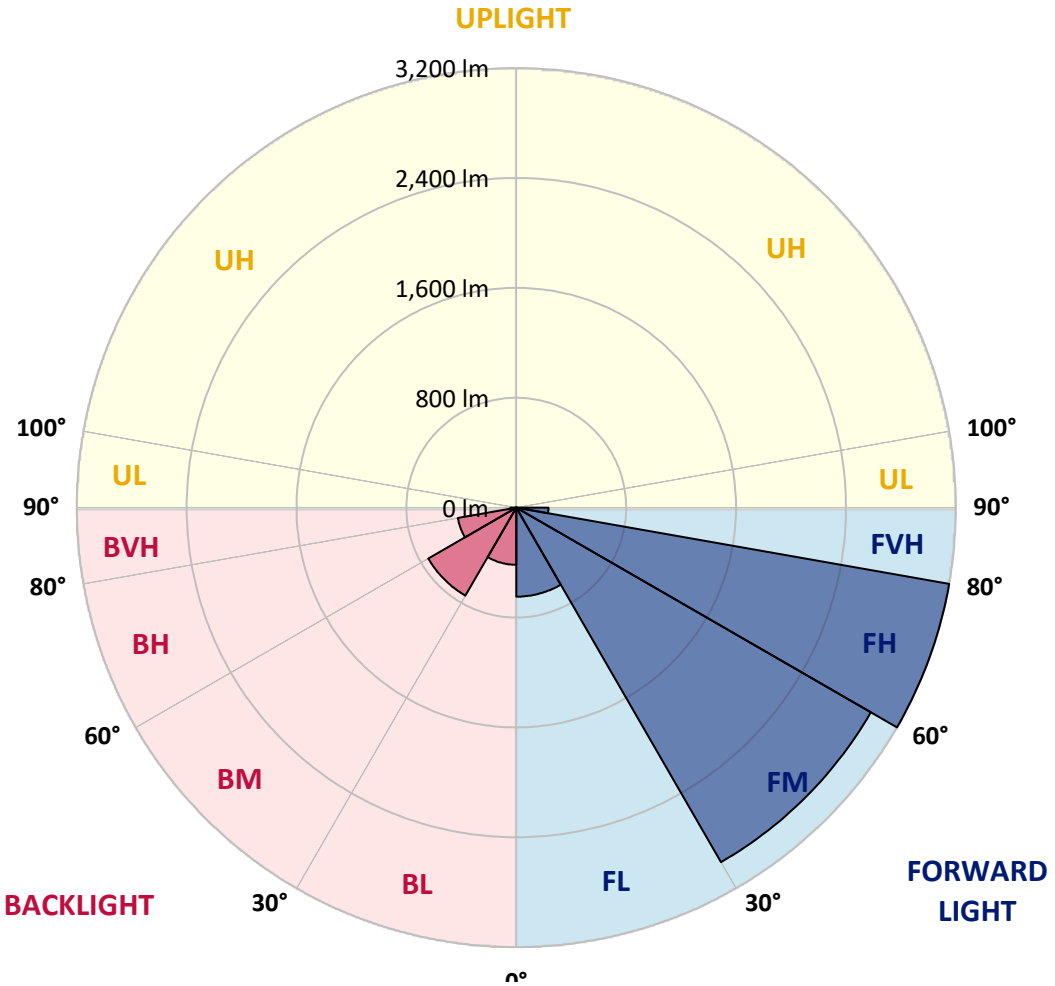
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	648.2	7.5			
FM	(30°-60°)	2980.7	34.3			
FH	(60°-80°)	3200.2	36.8			G2/5000
FVH	(80°-90°)	234.3	2.7			G3/500
BL	(0°-30°)	416.1	4.8	B1/500		
BM	(30°-60°)	740.1	8.5	B1/1000		
BH	(60°-80°)	432.0	5.0	B1/500		G1/500
BVH	(80°-90°)	42.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	*1595.8*	1595.8	1595.8	1595.8
2.5°	1609.3	1603.7	1609.3	1607.0	1606.1	1604.2	1604.7	*1607.9*	1606.1	1608.4	1600.4
5°	1598.6	1595.3	1600.9	1599.5	1605.6	1606.5	1612.6	*1616.3*	1618.7	1619.1	1613.1
7.5°	1580.8	1577.5	1585.5	1592.0	1605.1	1608.9	1621.5	*1627.6*	1630.8	1636.5	1627.6
10°	1515.8	1514.4	1534.0	1558.8	1589.7	1608.9	1628.0	*1638.3*	1643.5	1658.4	1648.1
12.5°	1400.7	1402.6	1428.3	1476.0	1537.8	1599.5	1635.5	*1650.5*	1658.4	1677.1	1672.5
15°	1290.8	1290.4	1318.4	1369.4	1455.9	1558.3	1639.3	*1665.0*	1678.5	1706.1	1702.4
17.5°	1227.2	1225.4	1245.0	1283.8	1364.3	1495.2	1629.9	*1672.9*	1701.9	1736.5	1733.3
20°	1215.5	1211.8	1222.1	1241.3	1298.3	1426.0	1605.6	*1672.9*	1720.6	1765.5	1763.7
22.5°	1258.1	1252.0	1247.8	1245.5	1270.7	1368.9	1578.0	*1667.3*	1748.2	1807.2	1803.9
25°	1343.7	1334.3	1312.8	1291.8	1284.3	1343.2	1553.7	*1665.9*	1789.4	1863.3	1851.1
27.5°	1482.1	1470.4	1426.9	1376.4	1331.1	1356.3	1542.9	*1674.3*	1834.8	1922.7	1898.4
30°	1653.8	1641.1	1586.4	1508.8	1427.4	1404.9	1556.5	*1699.1*	1892.7	2001.7	1954.0
32.5°	1807.6	1793.6	1746.8	1667.8	1557.9	1489.1	1599.5	*1746.4*	1983.9	2111.6	2037.7
35°	1944.2	1927.8	1885.7	1812.8	1717.8	1607.5	1677.1	*1830.1*	2113.5	2290.3	2151.4
37.5°	2078.0	2058.8	2012.9	1935.8	1869.4	1765.1	1784.2	*1937.6*	2285.6	2507.3	2302.0
40°	2227.6	2200.0	2144.4	2068.1	2003.6	1949.8	1925.0	*2069.5*	2460.5	2749.6	2490.0
42.5°	2372.6	2346.4	2280.0	2215.0	2134.1	2118.6	2088.2	*2223.9*	2651.8	3015.7	2680.8
45°	2528.8	2497.5	2417.0	2334.7	2283.7	2230.9	2246.3	*2378.2*	2839.4	3286.9	2881.0
47.5°	2675.2	2640.1	2545.2	2453.5	2425.4	2325.4	2391.3	*2548.0*	3034.4	3561.9	3079.3
50°	2754.2	2719.6	2640.6	2557.8	2535.8	2441.8	2548.5	*2734.6*	3238.8	3836.0	3269.6
52.5°	2820.2	2782.8	2679.4	2633.6	2627.0	2568.6	2742.1	*2947.9*	3443.1	4078.3	3453.4
55°	2890.3	2848.7	2716.8	2675.7	2705.6	2710.7	2971.7	*3189.7*	3659.2	4314.5	3626.9
57.5°	2971.2	2918.4	2752.8	2711.2	2782.3	2877.2	3235.5	*3440.3*	3871.6	4533.3	3781.3
60°	3047.5	2994.2	2822.1	2767.8	2865.1	3070.4	3538.1	*3743.9*	4111.9	4728.4	3927.2
62.5°	3062.4	3018.5	2877.2	2876.8	2977.3	3295.8	3896.3	*4050.2*	4321.9	4921.1	4058.2
65°	2803.3	2775.8	2692.0	2872.6	3138.2	3620.4	4295.3	*4442.1*	4589.0	5089.4	4173.2
67.5°	2133.6	2137.4	2131.3	2479.7	3008.2	4086.7	4872.9	*4861.7*	4918.7	5278.4	4305.6
70°	975.6	997.6	1140.7	1711.8	2410.0	4140.5	5827.9	*5682.5*	5332.6	5523.0	4420.2
72.5°	527.1	543.9	602.4	829.2	1448.9	3681.2	6541.6	*6645.0*	5883.1	5687.6	4294.3
75°	*386.8*	*396.1*	*436.8*	*527.1*	*608.5*	*2736.0*	*6285.8*	*6816.1*	*5951.8*	*5303.6*	*3708.3*
77.5°	289.5	293.7	326.9	417.6	311.5	1442.4	5022.5	*5645.0*	5095.0	4357.5	2739.3
80°	210.0	214.7	239.5	313.4	218.4	527.6	3448.8	*3962.3*	3489.4	2777.6	1365.2
82.5°	145.0	146.9	157.6	213.3	152.5	204.8	1956.8	*2323.5*	1947.9	974.7	368.5
85°	87.5	89.8	94.5	124.4	86.5	97.3	844.7	*873.6*	582.3	232.9	114.6
87.5°	36.0	38.4	42.1	52.4	34.1	27.1	139.4	*174.9*	109.0	68.3	35.5
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°	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8	1595.8
2.5°	1598.1	1594.8	1585.9	1573.8	1562.6	1548.5	1542.4	1537.3	1532.6	1523.7	1519.5
5°	1607.9	1599.0	1575.2	1544.3	1509.2	1470.9	1433.5	1407.8	1385.8	1369.4	1355.8
7.5°	1622.9	1606.1	1562.6	1499.4	1419.0	1336.7	1262.3	1209.5	1169.7	1155.2	1129.9
10°	1638.3	1618.2	1542.4	1431.1	1292.2	1165.5	1066.8	1012.6	980.7	970.5	954.6
12.5°	1656.6	1627.1	1511.1	1336.2	1150.5	1011.6	925.6	893.8	877.4	871.8	873.2
15°	1683.2	1634.6	1463.9	1217.4	1015.4	899.4	843.7	821.7	813.3	812.8	814.7
17.5°	1703.3	1636.0	1390.4	1090.2	911.5	831.6	785.7	777.3	782.9	791.3	794.6
20°	1725.8	1623.4	1294.1	974.2	838.6	772.2	753.0	758.6	772.2	784.3	788.5
22.5°	1741.7	1600.4	1177.6	883.9	775.4	738.0	737.1	748.8	756.3	762.3	765.6
25°	1755.7	1561.6	1054.2	808.2	723.5	717.4	727.7	724.0	718.8	724.0	727.3
27.5°	1766.0	1500.4	943.8	741.8	687.0	703.4	697.3	688.9	688.4	691.2	695.9
30°	1762.7	1418.5	853.1	678.6	661.3	677.2	662.7	661.3	659.9	661.3	666.5
32.5°	1762.7	1325.4	783.4	635.1	644.9	638.9	637.5	634.2	628.6	628.1	634.2
35°	1772.6	1232.4	723.5	611.7	631.4	616.9	617.8	609.9	598.2	592.6	598.2
37.5°	1792.7	1157.5	664.1	600.5	607.5	607.1	603.3	589.8	569.2	551.4	557.5
40°	1841.3	1135.6	623.4	595.4	596.3	601.9	592.1	565.9	519.1	490.1	493.9
42.5°	1917.5	1172.5	614.5	582.7	588.8	594.4	575.3	514.5	481.3	464.0	464.0
45°	2014.3	1237.0	633.7	564.5	571.1	580.9	523.8	494.8	479.9	480.3	482.7
47.5°	2136.9	1304.9	669.3	548.6	545.3	550.9	489.7	471.9	451.3	456.5	469.6
50°	2278.6	1373.6	702.9	527.1	516.8	498.6	467.7	450.9	424.7	412.5	415.8
52.5°	2432.0	1440.0	716.5	500.9	485.9	464.9	452.7	432.1	400.3	380.2	379.8
55°	2577.4	1500.4	701.5	469.6	455.1	438.7	436.8	424.2	390.1	362.0	362.0
57.5°	2715.0	1550.9	664.1	437.8	423.7	413.9	426.5	420.5	377.4	341.4	339.5
60°	2831.4	1585.5	609.9	405.5	395.7	390.5	409.7	407.8	359.7	319.4	318.0
62.5°	2924.0	1599.0	550.0	374.6	372.3	362.9	386.3	386.3	337.2	297.9	296.5
65°	2996.5	1585.9	489.2	344.2	348.9	334.9	357.8	355.0	313.4	278.7	276.9
67.5°	3060.6	1542.9	421.9	314.3	325.0	307.3	327.9	321.3	287.2	259.6	257.7
70°	3089.1	1442.8	345.2	284.4	297.5	280.1	297.9	285.8	257.7	239.0	235.2
72.5°	2859.9	1199.2	271.7	253.0	264.2	250.2	265.6	251.6	225.9	217.5	210.5
75°	*2366.1*	*899.8*	*209.1*	*218.9*	*227.3*	*216.5*	*226.8*	*216.5*	*193.2*	*199.2*	*181.9*
77.5°	1718.3	607.5	160.0	182.9	186.6	181.0	189.9	178.2	157.1	155.7	148.7
80°	854.5	355.9	125.3	144.5	143.1	139.4	149.7	144.0	126.3	133.8	132.4
82.5°	247.4	152.5	91.2	101.5	98.7	99.6	107.1	109.9	164.6	163.2	167.0
85°	77.6	59.9	54.7	56.6	53.8	55.2	63.1	125.3	116.0	67.8	73.4
87.5°	20.1	20.6	13.6	14.5	15.0	17.8	20.1	76.2	36.5	23.9	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)