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

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: P1203849

Luminaire Tested: GWC-SB2D-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203849
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17487 lumens
Efficiency:	N/A
Efficacy:	118.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

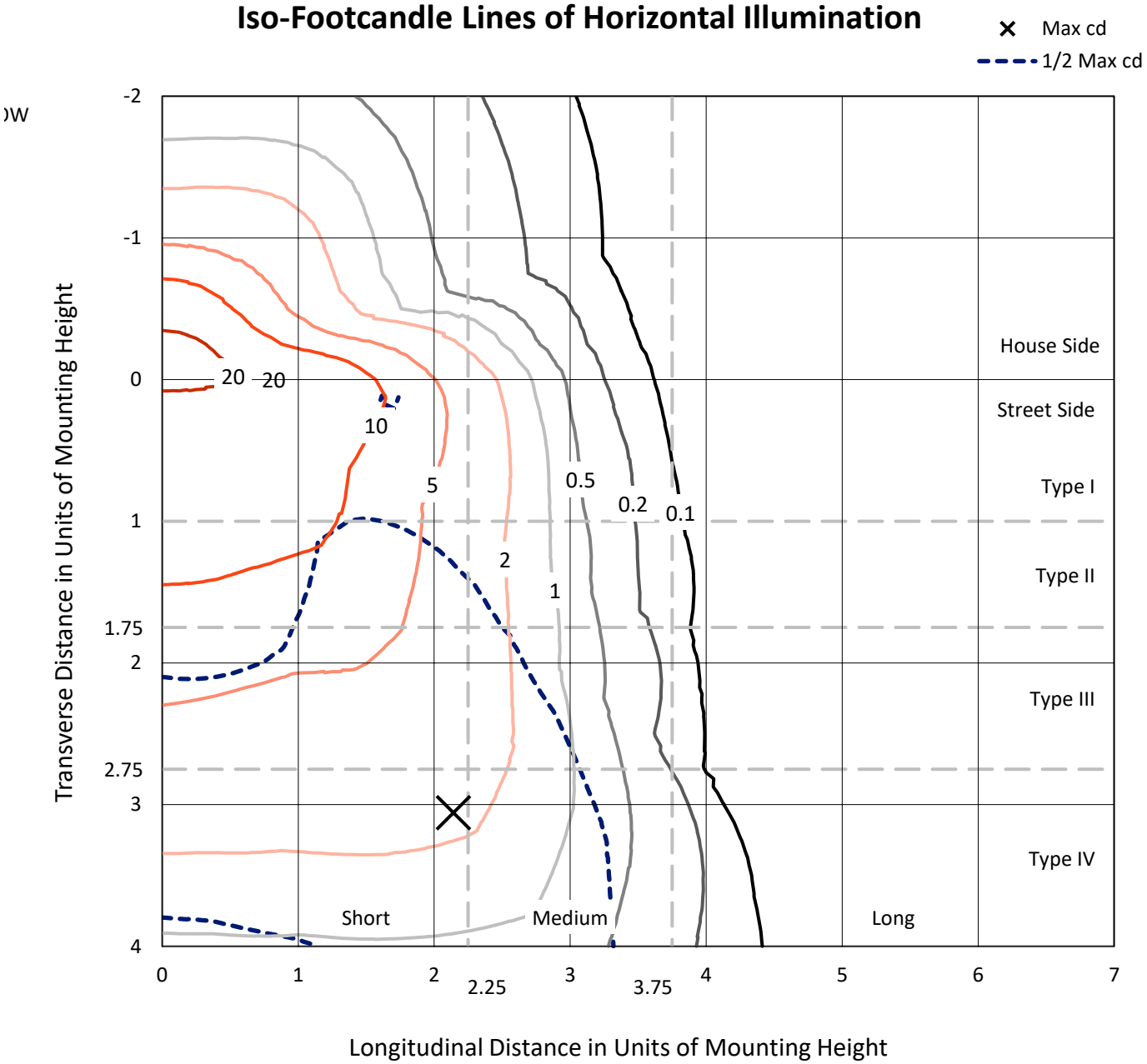


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Iso-Footcandle Lines of Horizontal Illumination



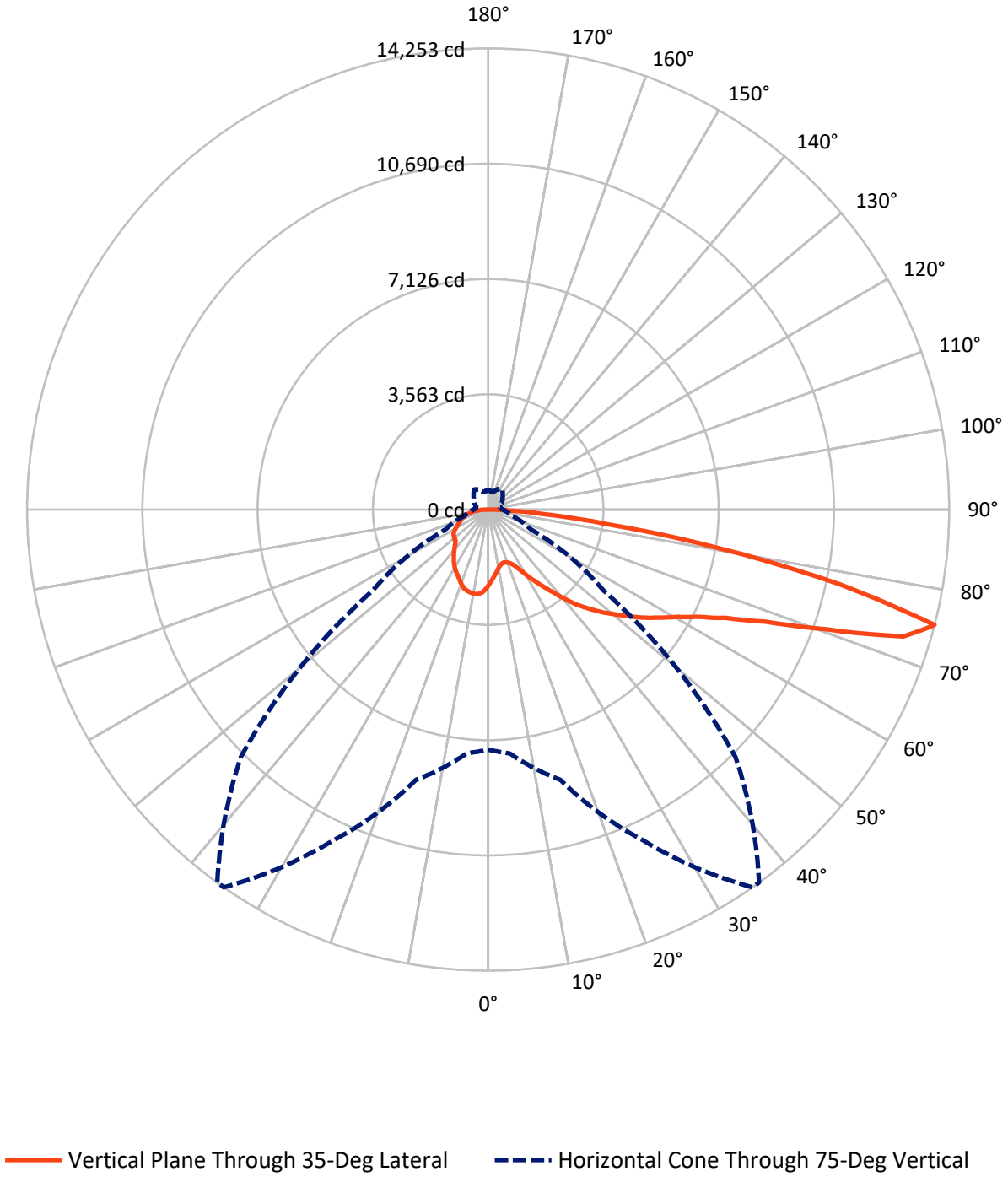
Based on 10 foot mounting height. Maximum calculated value = 25.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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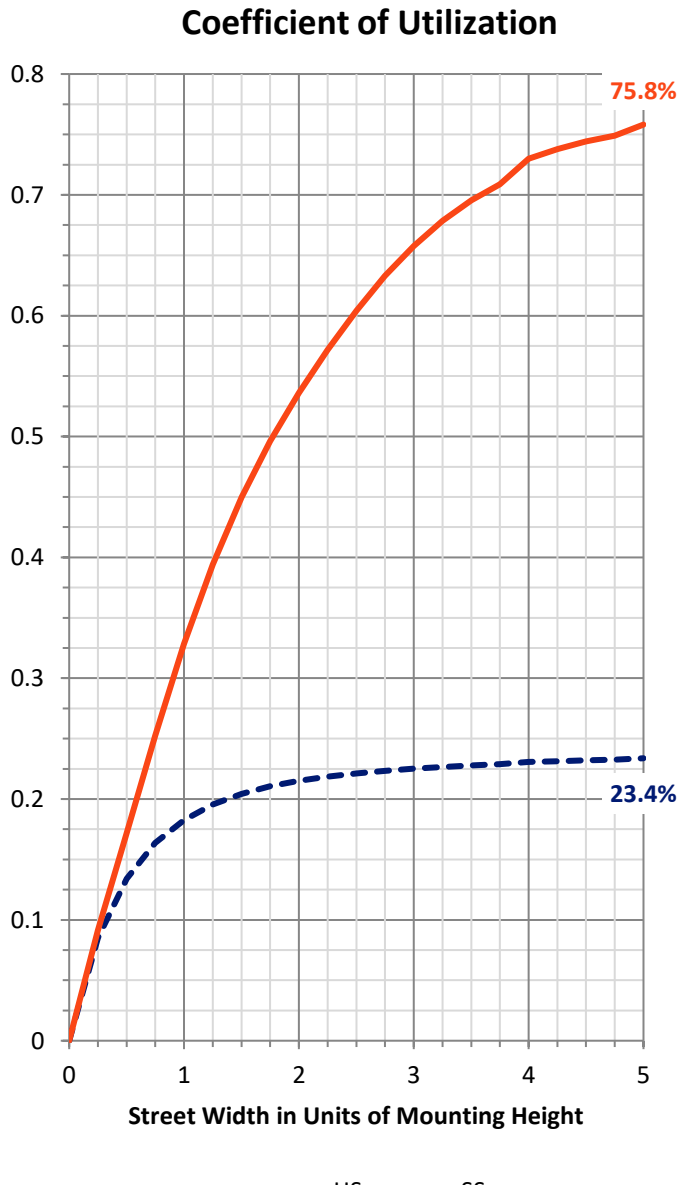
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4161.5	0.0	4161.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13325.5	0.0	13325.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	17487.0	0.0	17487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	1.3
10°-20°	636.4	3.6
20°-30°	1068.7	6.1
30°-40°	1660.9	9.5
40°-50°	2465.2	14.1
50°-60°	3403.3	19.5
60°-70°	4129.0	23.6
70°-80°	3412.3	19.5
80°-90°	490.8	2.8
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°	17487.0	100.0
0°-180°	17487.0	100.0



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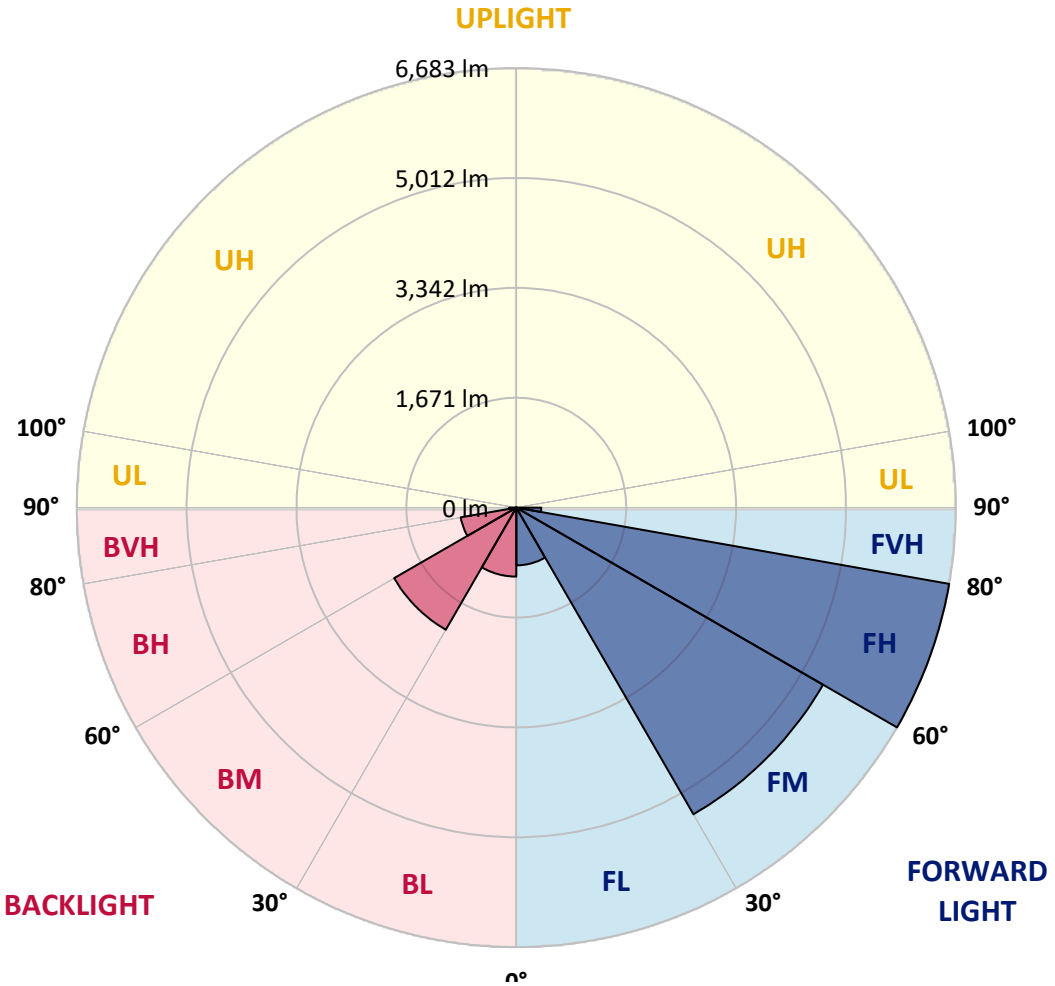
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	876.9	5.0			
FM	(30°-60°)	5385.1	30.8			
FH	(60°-80°)	6683.3	38.2			G3/7500
FVH	(80°-90°)	380.3	2.2			G3/500
BL	(0°-30°)	1048.7	6.0	B3/2500		
BM	(30°-60°)	2144.2	12.3	B2/2500		
BH	(60°-80°)	858.0	4.9	B2/1000		G2/1000
BVH	(80°-90°)	110.5	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2330.3	2330.3	2330.3	2330.3	*2330.3*	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3
2.5°	2148.8	2162.0	2167.7	2164.8	*2179.0*	2177.1	2197.0	2221.5	2255.6	2288.7	2336.9
5°	1983.3	1997.5	2009.8	2021.1	*2048.5*	2057.1	2088.3	2135.5	2197.9	2261.3	2340.7
7.5°	1829.2	1841.5	1860.4	1881.2	*1927.5*	1936.1	1988.0	2061.8	2148.8	2241.4	2351.1
10°	1703.5	1715.8	1735.6	1759.3	*1816.9*	1827.3	1893.5	1991.8	2105.3	2222.5	2362.4
12.5°	1649.6	1653.4	1664.7	1688.4	*1738.5*	1745.1	1817.9	1930.4	2062.7	2208.3	2379.4
15°	1646.8	1654.3	1655.3	1667.6	*1709.2*	1712.0	1779.1	1890.7	2036.3	2205.5	2404.9
17.5°	1675.1	1680.8	1672.3	1679.9	*1714.8*	1719.6	1772.5	1871.8	2027.8	2217.8	2448.4
20°	1750.8	1755.5	1730.0	1719.6	*1745.1*	1748.9	1800.9	1884.1	2036.3	2243.3	2508.0
22.5°	1911.5	1914.3	1851.9	1809.4	*1811.3*	1813.2	1858.5	1934.2	2069.3	2289.6	2583.6
25°	2162.0	2160.1	2060.8	1978.6	*1931.3*	1920.9	1951.2	2015.5	2125.1	2351.1	2681.0
27.5°	2455.0	2440.9	2341.6	2218.7	*2115.7*	2100.5	2093.9	2121.3	2204.5	2432.4	2800.1
30°	2785.9	2772.7	2665.9	2505.1	*2362.4*	2337.8	2275.4	2261.3	2322.7	2543.0	2965.5
32.5°	3148.9	3140.4	3012.8	2818.1	*2627.1*	2598.7	2493.8	2456.0	2504.2	2710.3	3196.2
35°	3453.3	3445.8	3339.9	3139.5	*2906.0*	2871.0	2764.2	2721.6	2746.2	2924.9	3497.8
37.5°	3728.4	3724.6	3633.9	3476.0	*3235.0*	3192.4	3072.4	3058.2	3053.4	3207.5	3863.6
40°	3983.7	3974.2	3879.7	3796.5	*3617.8*	3579.1	3473.2	3460.9	3425.0	3555.4	4277.7
42.5°	4266.3	4241.7	4104.7	4065.9	*4017.7*	3985.5	3922.2	3924.1	3844.7	3947.7	4716.3
45°	4497.0	4482.8	4341.9	4319.3	*4371.2*	4358.0	4412.8	4427.0	4272.9	4359.0	5172.0
47.5°	4744.7	4731.4	4612.3	4596.2	*4737.1*	4740.9	4934.7	4939.4	4690.8	4786.3	5628.5
50°	5050.0	5031.1	4912.9	4932.8	*5090.7*	5104.8	5459.3	5427.2	5075.5	5220.2	6081.4
52.5°	5251.4	5262.7	5237.2	5269.3	*5484.9*	5498.1	5975.5	5893.2	5456.5	5648.4	6525.7
55°	5399.8	5422.5	5501.9	5575.6	*5900.8*	5914.0	6462.3	6336.6	5772.2	6045.4	6943.5
57.5°	5590.7	5558.6	5707.0	5850.7	*6296.0*	6330.9	6936.0	6763.9	6052.1	6387.7	7230.0
60°	5864.9	5842.2	5957.5	6170.2	*6738.4*	6794.2	7437.0	7148.7	6257.2	6659.0	7285.7
62.5°	6420.7	6364.0	6382.0	6570.1	*7296.1*	7369.9	8002.3	7484.3	6359.3	6764.8	6987.0
65°	7251.7	7154.3	7063.6	7194.0	*8081.7*	8154.5	8640.4	7748.0	6321.5	6559.7	6193.9
67.5°	8298.2	8201.8	8090.2	8213.1	*9238.8*	9296.5	9427.9	7896.4	6023.7	5769.4	4791.9
70°	9161.3	9125.4	9258.7	9764.4	*11086.9*	11088.8	10437.5	7773.5	5207.9	4090.5	2772.7
72.5°	9046.9	9025.2	9727.5	11291.1	*13416.3*	13366.2	11393.2	6843.3	3508.2	1845.3	1038.9
75°	*7421.9*	*7562.7*	*8650.8*	*11263.7*	*14252.9*	*14246.3*	*10808.1*	*4350.5*	*1451.1*	*764.8*	*537.0*
77.5°	3979.9	4203.0	5616.3	8316.1	*11126.6*	11294.0	7598.6	1522.0	623.0	489.7	371.5
80°	1298.0	1492.7	2238.6	4234.2	*7230.0*	7198.8	3256.7	597.5	426.3	346.9	257.1
82.5°	551.1	573.8	1000.2	1999.4	*3710.5*	3652.8	1037.0	343.2	299.7	237.3	158.8
85°	215.5	241.1	441.5	924.5	*1607.1*	1572.1	374.4	170.2	191.9	155.0	94.5
87.5°	70.9	86.0	157.9	316.7	*500.1*	482.1	91.7	58.6	83.2	70.9	34.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3	2330.3
2.5°	2350.1	2365.2	2383.2	2409.7	2432.4	2451.3	2471.1	2483.4	2488.1	2502.3	2501.4
5°	2367.1	2400.2	2444.6	2488.1	2530.7	2556.2	2578.9	2590.2	2600.6	2608.2	2610.1
7.5°	2395.5	2438.0	2508.0	2564.7	2600.6	2621.4	2636.6	2632.8	2636.6	2638.4	2641.3
10°	2420.1	2479.6	2562.8	2616.7	2644.1	2645.1	2641.3	2628.0	2621.4	2622.4	2624.3
12.5°	2449.4	2515.5	2605.4	2650.7	2658.3	2637.5	2621.4	2598.7	2590.2	2586.4	2584.6
15°	2489.1	2564.7	2651.7	2668.7	2649.8	2623.3	2595.9	2559.0	2540.1	2525.0	2529.7
17.5°	2537.3	2620.5	2687.6	2675.3	2634.7	2591.2	2546.7	2491.0	2452.2	2436.1	2437.1
20°	2604.4	2679.1	2715.0	2661.1	2599.7	2533.5	2457.9	2389.8	2353.9	2337.8	2335.9
22.5°	2685.7	2757.6	2741.5	2636.6	2549.6	2443.7	2349.2	2299.1	2281.1	2269.8	2271.7
25°	2783.1	2844.5	2760.4	2600.6	2467.3	2324.6	2251.8	2235.7	2227.2	2218.7	2218.7
27.5°	2909.8	2942.8	2774.6	2547.7	2338.8	2197.9	2171.4	2174.3	2171.4	2157.3	2160.1
30°	3077.1	3070.5	2787.8	2461.7	2191.3	2083.5	2085.4	2097.7	2099.6	2090.1	2094.9
32.5°	3297.3	3230.2	2794.4	2350.1	2050.4	1983.3	1985.2	1998.4	2007.9	1991.8	1999.4
35°	3563.9	3416.5	2784.0	2210.2	1941.7	1887.8	1873.7	1877.4	1880.3	1865.2	1875.6
37.5°	3874.9	3625.4	2737.7	2055.2	1851.9	1794.3	1764.0	1738.5	1723.4	1709.2	1718.6
40°	4216.2	3853.2	2652.6	1903.9	1751.7	1695.0	1649.6	1601.4	1550.4	1531.4	1540.0
42.5°	4573.6	4087.6	2549.6	1759.3	1636.4	1590.1	1541.8	1471.9	1395.3	1356.6	1361.3
45°	4944.1	4327.8	2448.4	1616.5	1518.2	1498.4	1442.6	1358.5	1275.3	1226.1	1222.3
47.5°	5307.1	4554.6	2300.0	1472.8	1407.6	1429.4	1385.9	1308.3	1215.7	1138.2	1129.7
50°	5654.1	4767.3	2057.1	1327.3	1317.8	1408.6	1367.0	1255.4	1149.5	1050.3	1041.8
52.5°	5998.2	4939.4	1746.0	1194.9	1269.6	1402.9	1342.4	1219.5	1090.0	986.0	974.6
55°	6290.3	5028.3	1446.4	1081.5	1199.6	1354.7	1313.1	1176.9	1005.8	895.2	885.8
57.5°	6456.7	4956.4	1196.8	969.9	1103.2	1275.3	1263.0	1086.2	905.6	820.6	809.2
60°	6384.8	4665.2	992.6	872.5	1011.5	1189.2	1176.0	996.4	829.1	748.7	737.4
62.5°	5988.7	4110.3	831.0	787.5	928.3	1101.3	1089.0	927.4	770.5	692.9	680.6
65°	5190.9	3343.7	705.2	716.6	844.2	995.4	1013.4	869.7	724.1	648.5	636.2
67.5°	3959.1	2422.0	606.9	655.1	761.9	891.5	943.4	828.1	685.4	613.5	602.2
70°	2256.5	1375.5	523.7	595.6	689.2	795.0	889.6	795.0	643.8	584.2	576.7
72.5°	855.5	631.5	452.8	536.0	619.2	713.7	830.0	743.0	595.6	551.1	543.6
75°	*456.6*	*384.8*	*381.0*	*466.1*	*538.8*	*634.3*	*755.3*	*692.0*	*559.6*	*582.3*	*601.2*
77.5°	311.0	272.3	318.6	398.9	450.9	546.4	675.9	614.5	485.0	483.1	445.3
80°	215.5	192.8	259.0	321.4	348.8	459.4	589.9	527.5	395.2	368.7	352.6
82.5°	129.5	125.7	193.8	240.1	246.7	354.5	488.7	442.4	323.3	281.7	283.6
85°	70.9	74.7	123.8	140.9	143.7	247.7	382.9	342.2	248.6	208.9	210.8
87.5°	19.9	25.5	45.4	55.8	69.0	128.6	227.8	203.2	124.8	87.0	87.0
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)