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: P1203759

Luminaire Tested: GWC-SB2D-735-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203759
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-T3
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20360 lumens
Efficiency:	N/A
Efficacy:	137.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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

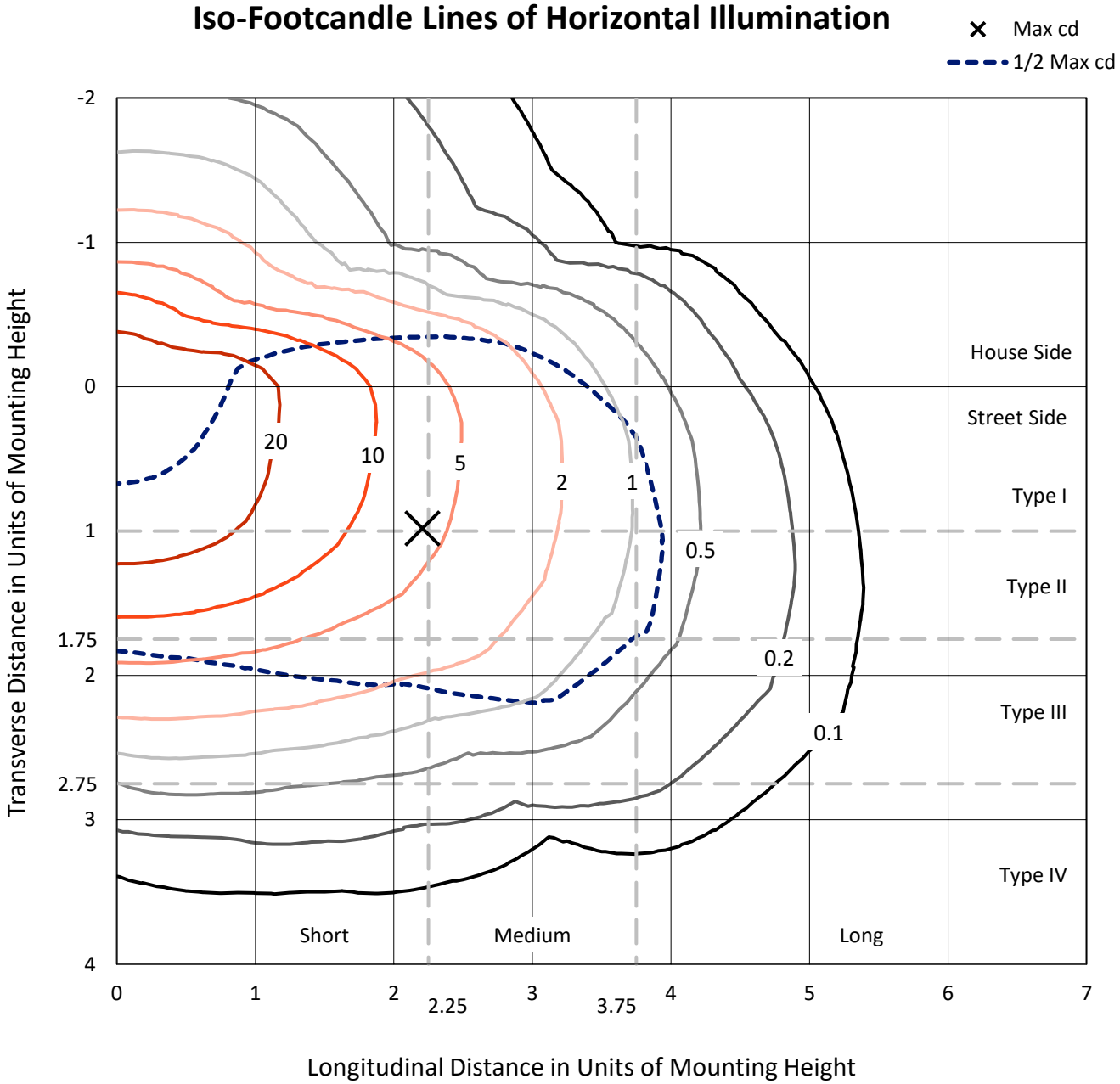


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Iso-Footcandle Lines of Horizontal Illumination



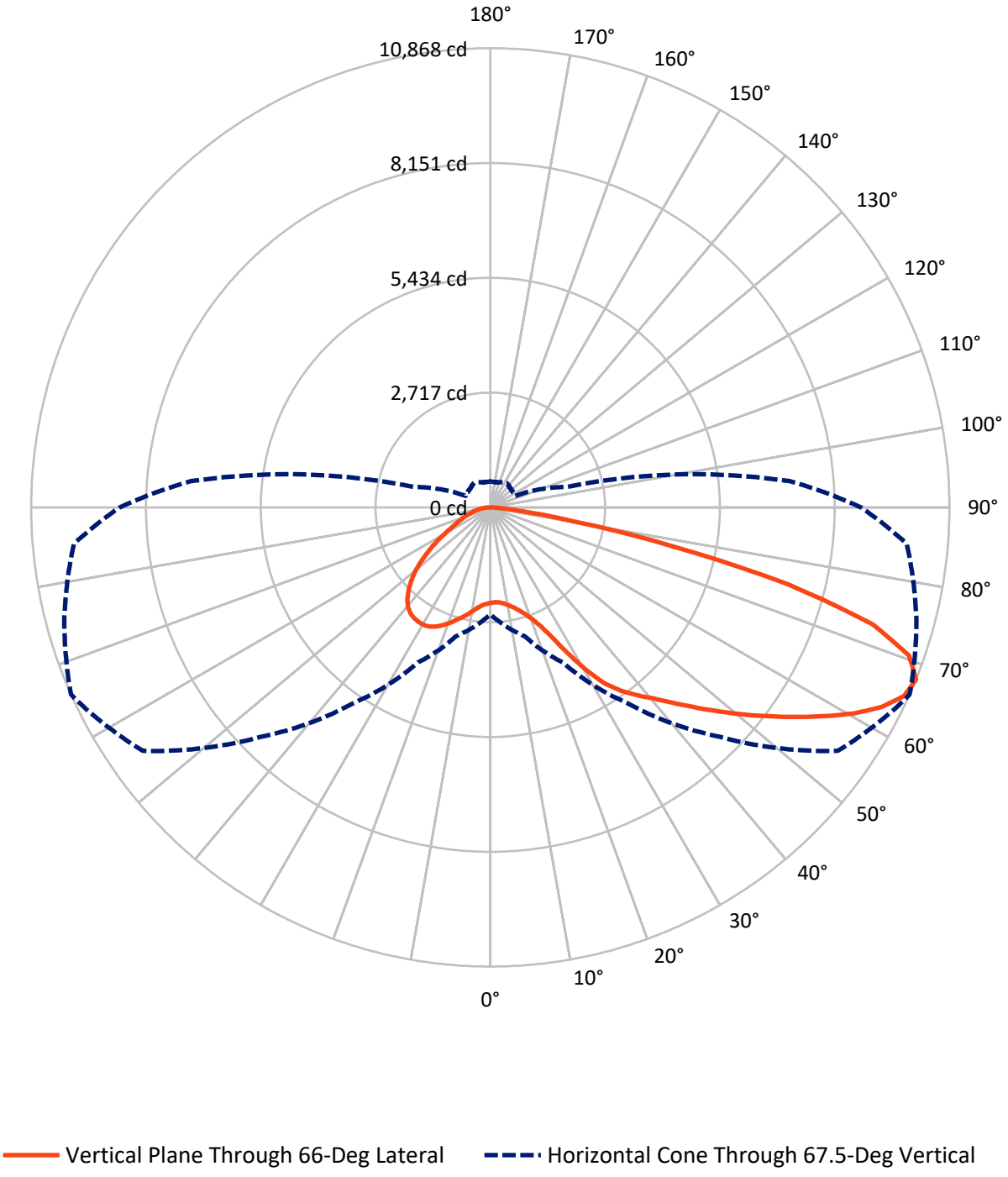
Based on 10 foot mounting height. Maximum calculated value = 32 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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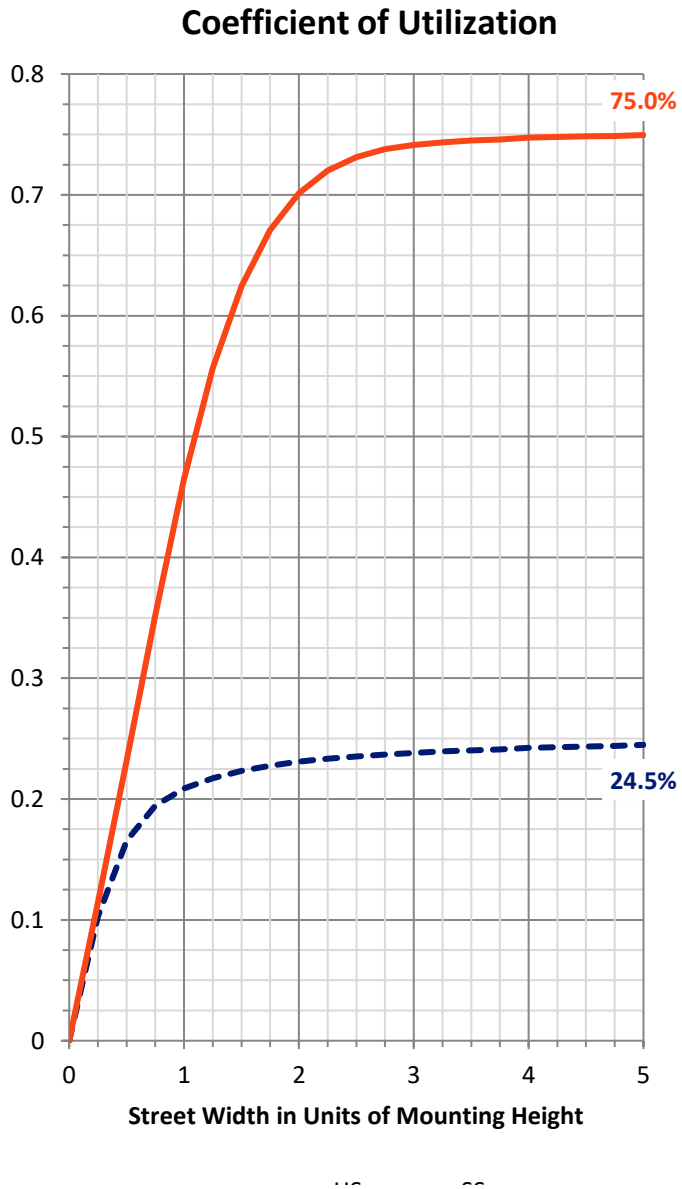
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5062.5	0.0	5062.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15297.5	0.0	15297.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	20360.0	0.0	20360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.1
10°-20°	739.7	3.6
20°-30°	1425.7	7.0
30°-40°	2499.9	12.3
40°-50°	3716.5	18.3
50°-60°	4711.0	23.1
60°-70°	4609.6	22.6
70°-80°	2198.8	10.8
80°-90°	235.0	1.2
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°	20360.0	100.0
0°-180°	20360.0	100.0



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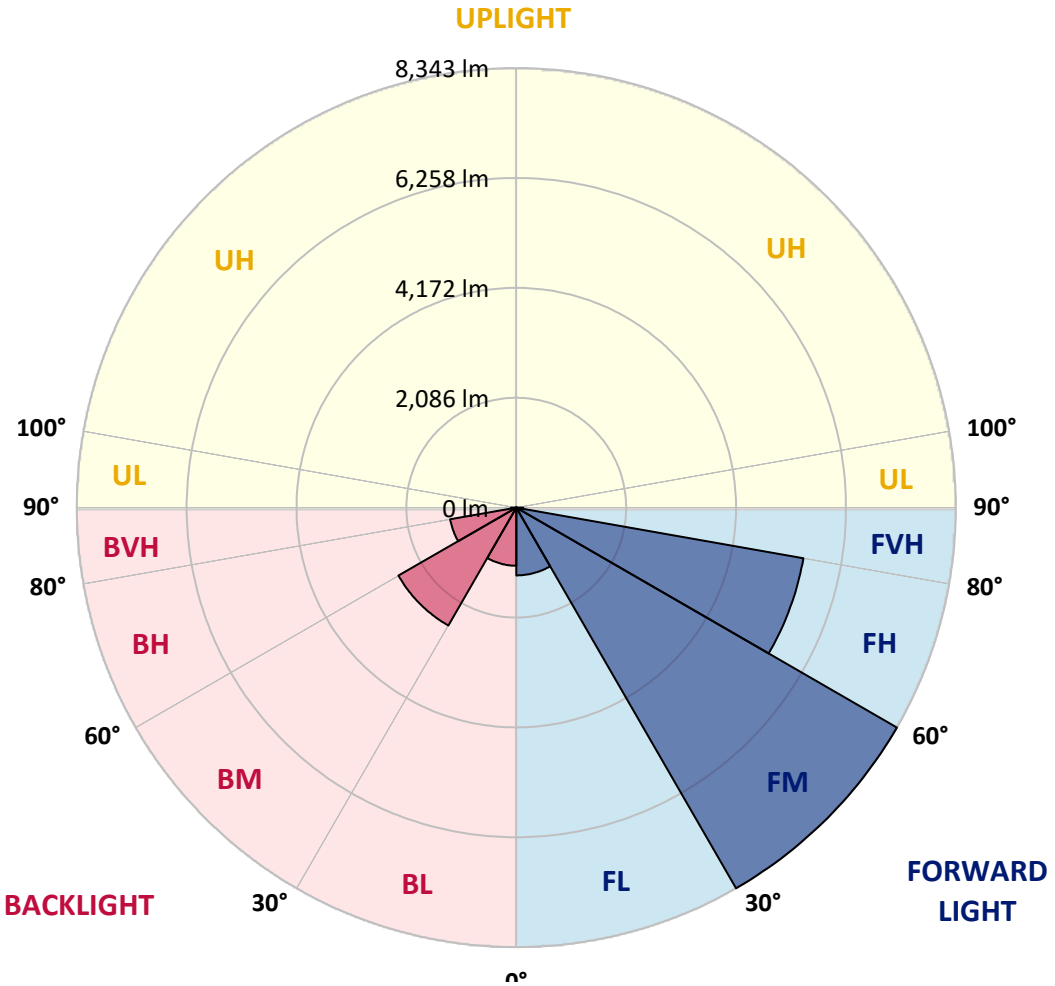
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1286.5	6.3			
FM	(30°-60°)	8343.4	41.0			
FH	(60°-80°)	5534.4	27.2			G3/7500
FVH	(80°-90°)	133.2	0.7			G2/225
BL	(0°-30°)	1102.8	5.4	B3/2500		
BM	(30°-60°)	2583.9	12.7	B3/5000		
BH	(60°-80°)	1274.0	6.3	B3/2500		G3/2500
BVH	(80°-90°)	101.8	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2
2.5°	2234.7	2247.5	2244.3	2238.9	2237.9	2240.0	2243.2	2246.4	2245.4	2250.7	2259.3
5°	2228.2	2241.1	2240.0	2240.0	2244.3	2252.8	2258.2	2263.5	2258.2	2264.6	2276.4
7.5°	2232.5	2242.1	2246.4	2250.7	2261.4	2277.4	2290.3	2302.1	2295.6	2303.1	2318.1
10°	2287.1	2294.6	2298.8	2298.8	2306.3	2324.5	2337.4	2358.7	2353.4	2365.2	2384.4
12.5°	2386.6	2394.0	2394.0	2389.8	2395.1	2406.9	2411.2	2434.7	2425.1	2444.3	2463.6
15°	2508.5	2523.5	2511.7	2504.2	2506.4	2518.1	2517.1	2535.3	2525.6	2541.7	2558.8
17.5°	2643.3	2662.5	2643.3	2642.2	2637.9	2650.8	2651.9	2667.9	2650.8	2662.5	2674.3
20°	2802.7	2829.4	2813.4	2818.7	2809.1	2814.5	2819.8	2843.3	2816.6	2825.1	2821.9
22.5°	3027.3	3059.4	3042.3	3062.6	3056.2	3051.9	3050.9	3092.6	3050.9	3054.1	3023.0
25°	3354.7	3393.2	3363.2	3391.0	3391.0	3404.9	3421.0	3474.5	3404.9	3384.6	3304.4
27.5°	3838.2	3876.7	3817.9	3835.0	3829.6	3863.9	3846.7	3979.4	3904.5	3871.3	3709.8
30°	4420.1	4488.6	4377.3	4373.0	4367.7	4422.3	4446.9	4534.6	4458.6	4425.5	4230.8
32.5°	5049.1	5120.8	4988.1	4949.6	4929.3	4962.5	4942.1	5012.7	4960.3	4909.0	4668.3
35°	5714.5	5785.1	5658.9	5584.0	5502.7	5433.1	5360.4	5378.6	5329.4	5251.3	5002.0
37.5°	6343.5	6472.9	6339.2	6259.0	6109.2	5973.4	5770.1	5685.6	5639.6	5567.9	5316.5
40°	6984.2	7058.1	6956.4	6888.0	6725.4	6512.5	6187.3	6008.7	5946.6	5877.1	5664.2
42.5°	7456.0	7526.6	7472.0	7425.0	7297.7	7050.6	6630.2	6406.6	6316.7	6238.6	6057.9
45°	7830.4	7882.8	7848.6	7865.7	7811.1	7571.5	7089.1	6833.4	6740.3	6645.1	6502.9
47.5°	7981.2	8036.9	8091.4	8193.0	8286.1	8109.6	7582.2	7295.5	7197.1	7099.8	6959.6
50°	7964.1	8020.8	8179.1	8395.2	8684.0	8625.2	8102.1	7787.6	7696.7	7585.4	7456.0
52.5°	7827.2	7891.4	8094.6	8454.1	8914.0	9011.4	8631.6	8295.7	8210.2	8077.5	7948.1
55°	7467.8	7506.3	7811.1	8320.3	8968.6	9280.9	9150.4	8837.0	8751.4	8566.4	8425.2
57.5°	6801.3	6856.9	7300.9	7959.8	8831.7	9463.9	9606.1	9406.1	9323.7	9057.4	8909.8
60°	5931.6	6020.4	6528.5	7354.4	8482.9	9462.8	10020.1	9965.6	9897.1	9540.9	9386.9
62.5°	4947.5	5050.2	5539.0	6498.6	7873.2	9194.3	10279.0	10434.1	10398.8	9987.0	9790.1
65°	3799.7	3870.3	4357.0	5391.4	6924.3	8617.7	10309.0	10754.0	10760.4	10326.1	10000.9
67.5°	2529.9	2733.2	3155.7	4045.7	5653.5	7675.3	10045.8	10806.4	10868.4	10442.7	9895.0
70°	1234.5	1501.9	1915.9	2629.4	4045.7	6230.1	9358.0	10376.3	10514.3	10102.5	9263.8
72.5°	512.4	599.0	824.8	1297.6	2322.4	4204.0	7975.9	9210.3	9466.0	8951.5	7788.7
75°	345.5	374.4	471.7	665.4	1058.0	2073.1	5751.9	6867.6	7279.5	6760.7	5526.2
77.5°	266.4	284.5	343.4	465.3	629.0	784.1	3078.7	4138.8	4351.6	4028.6	2875.4
80°	209.7	223.6	256.7	339.1	446.1	419.3	1049.4	1875.2	1998.2	1676.3	924.2
82.5°	181.9	187.2	184.0	230.0	296.3	245.0	344.5	692.1	763.8	554.1	301.7
85°	131.6	146.6	153.0	142.3	157.2	124.1	141.2	245.0	269.6	240.7	170.1
87.5°	53.5	79.2	97.3	92.0	57.8	35.3	43.9	71.7	82.4	89.9	55.6
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°	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2	2258.2
2.5°	2260.3	2267.8	2273.2	2279.6	2283.9	2290.3	2303.1	2310.6	2311.7	2317.0	2316.0
5°	2280.7	2291.4	2303.1	2320.2	2339.5	2355.5	2380.1	2397.3	2403.7	2409.0	2408.0
7.5°	2324.5	2339.5	2360.9	2390.8	2418.7	2440.0	2470.0	2490.3	2510.6	2518.1	2519.2
10°	2389.8	2411.2	2442.2	2482.8	2512.8	2540.6	2571.6	2588.7	2609.1	2617.6	2621.9
12.5°	2471.1	2493.5	2534.2	2590.9	2618.7	2637.9	2648.6	2644.4	2648.6	2656.1	2658.3
15°	2564.1	2588.7	2634.7	2695.7	2715.0	2697.9	2674.3	2652.9	2649.7	2651.9	2659.3
17.5°	2674.3	2692.5	2746.0	2797.3	2783.4	2712.8	2661.5	2627.2	2610.1	2604.8	2612.3
20°	2828.4	2828.4	2872.2	2904.3	2811.2	2691.4	2611.2	2555.6	2520.3	2505.3	2502.1
22.5°	3015.6	2998.4	3026.3	3003.8	2805.9	2631.5	2520.3	2424.0	2370.5	2349.1	2345.9
25°	3253.0	3232.7	3225.2	3086.2	2767.4	2536.3	2355.5	2238.9	2191.9	2180.1	2182.2
27.5°	3611.4	3560.1	3462.7	3131.1	2696.8	2386.6	2163.0	2054.9	2028.2	2029.3	2032.5
30°	4088.5	3985.8	3747.3	3138.6	2581.3	2174.8	1966.2	1889.1	1876.3	1881.6	1899.8
32.5°	4530.3	4432.9	4038.2	3104.3	2403.7	1967.2	1789.7	1738.3	1719.1	1725.5	1734.0
35°	4876.9	4850.1	4307.8	3056.2	2185.5	1772.5	1631.3	1587.5	1550.0	1541.5	1547.9
37.5°	5204.2	5193.5	4510.0	2988.8	1969.4	1634.5	1504.0	1446.3	1391.7	1361.8	1362.8
40°	5563.6	5553.0	4642.6	2885.1	1777.9	1514.7	1389.6	1313.6	1246.2	1191.7	1197.0
42.5°	5968.0	5904.9	4705.7	2736.4	1615.3	1413.1	1296.5	1193.8	1105.0	1054.8	1058.0
45°	6409.8	6267.5	4704.7	2547.0	1478.4	1320.0	1197.0	1051.5	969.2	922.1	920.0
47.5°	6878.3	6614.1	4646.9	2337.4	1345.7	1217.3	1043.0	931.7	877.2	848.3	841.9
50°	7361.9	6938.2	4548.5	2096.7	1209.9	1100.7	946.7	870.8	829.0	802.3	792.7
52.5°	7816.5	7232.4	4429.7	1823.9	1071.9	987.4	903.9	845.1	801.2	771.3	758.4
55°	8239.0	7485.9	4261.8	1544.7	959.5	911.4	883.6	834.4	784.1	748.8	734.9
57.5°	8614.5	7650.7	3971.9	1282.6	879.3	859.0	862.2	816.2	758.4	728.5	709.2
60°	8926.9	7771.6	3542.9	1039.8	814.1	807.6	829.0	782.0	714.6	680.3	665.4
62.5°	9114.1	7769.4	3016.6	851.5	758.4	760.6	785.2	739.2	670.7	638.6	629.0
65°	9098.0	7579.0	2439.0	728.5	704.9	707.1	739.2	692.1	634.3	615.1	614.0
67.5°	*8776.0*	*7114.8*	*1871.0*	*648.3*	*646.1*	*655.7*	*693.2*	*660.0*	*611.9*	*609.7*	*613.0*
70°	7904.2	6150.9	1347.9	584.1	585.1	599.0	648.3	639.7	600.1	604.4	603.3
72.5°	6338.1	4689.7	905.0	516.7	517.7	540.2	605.5	623.7	588.3	645.0	653.6
75°	4221.1	2924.6	581.9	445.0	446.1	475.0	568.0	592.6	556.3	642.9	648.3
77.5°	2028.2	1314.7	421.5	374.4	374.4	401.1	491.0	530.6	473.9	499.6	457.8
80°	700.7	494.2	331.6	301.7	295.2	313.4	414.0	460.0	408.6	376.5	353.0
82.5°	276.0	256.7	266.4	234.3	212.9	224.6	322.0	379.8	300.6	271.7	270.6
85°	158.3	166.9	188.3	155.1	123.0	138.0	236.4	272.8	226.8	200.0	204.3
87.5°	42.8	58.8	86.6	80.2	55.6	58.8	112.3	150.8	130.5	100.6	103.8
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)