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: P1200305

Luminaire Tested: GPC-SB2C-827-U-AFL-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200305
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2C-827-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLIN
	OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11102 lumens
Efficiency:	N/A
Efficacy:	110.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

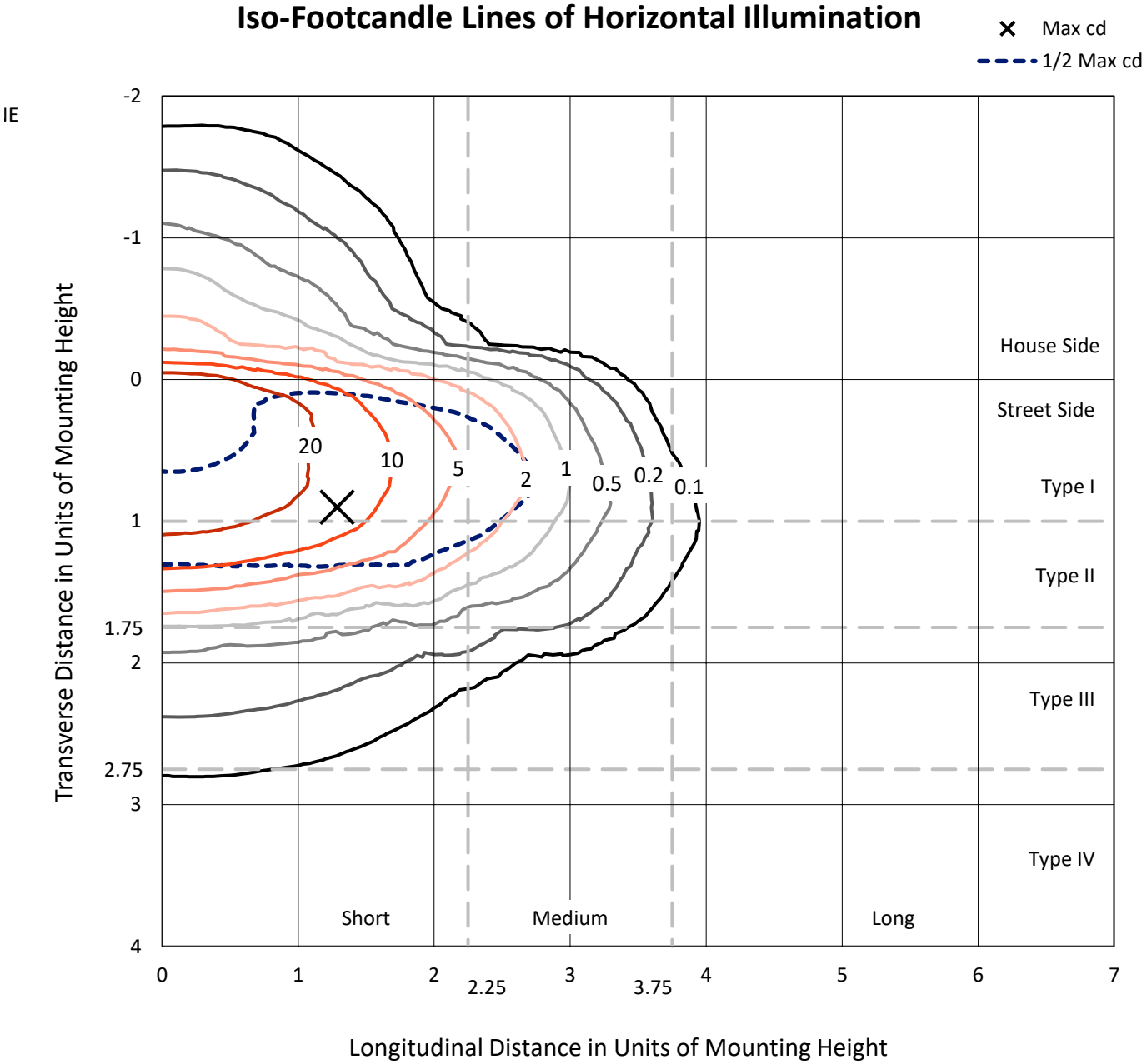


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Iso-Footcandle Lines of Horizontal Illumination



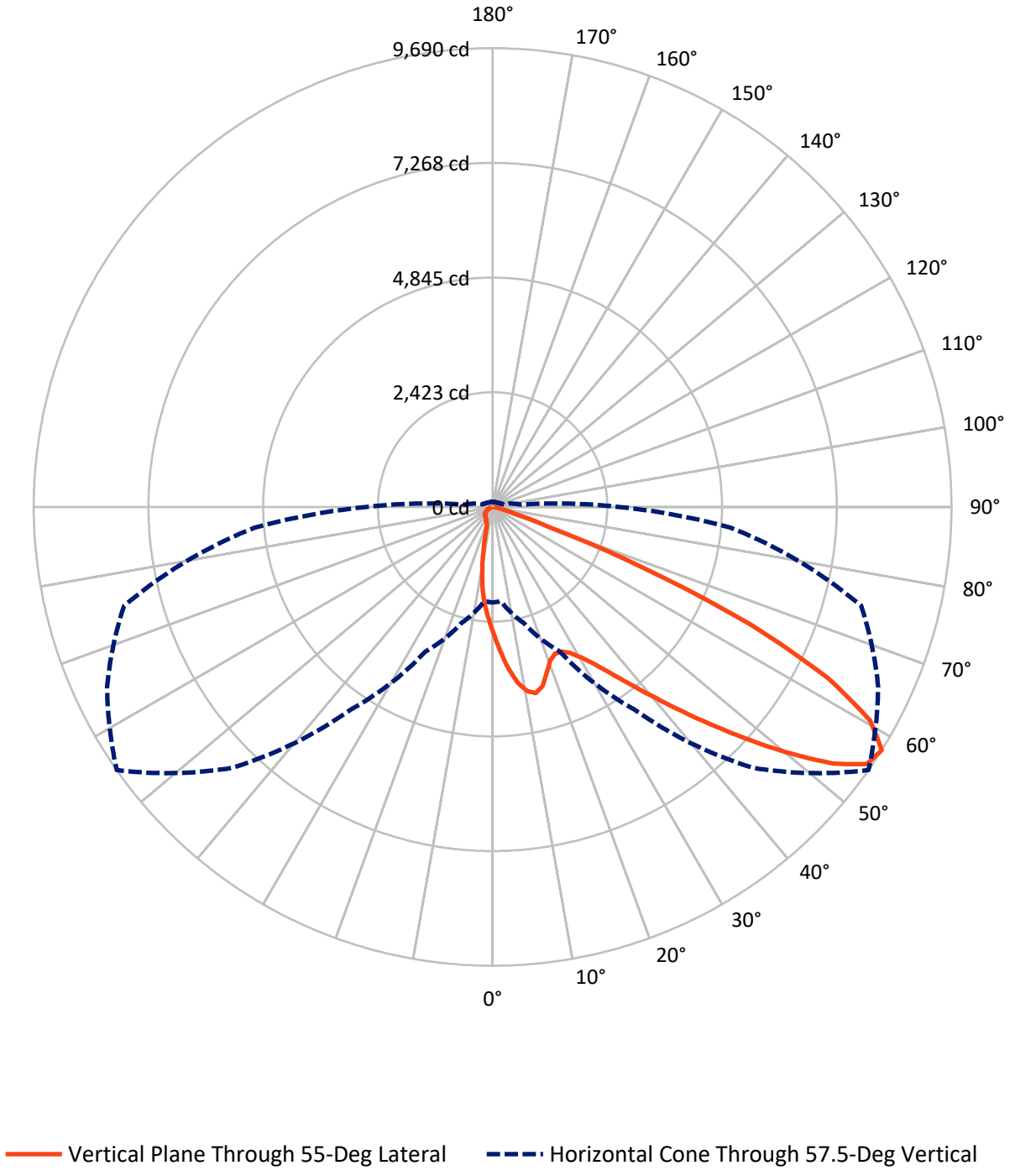
Based on 10 foot mounting height. Maximum calculated value = 38.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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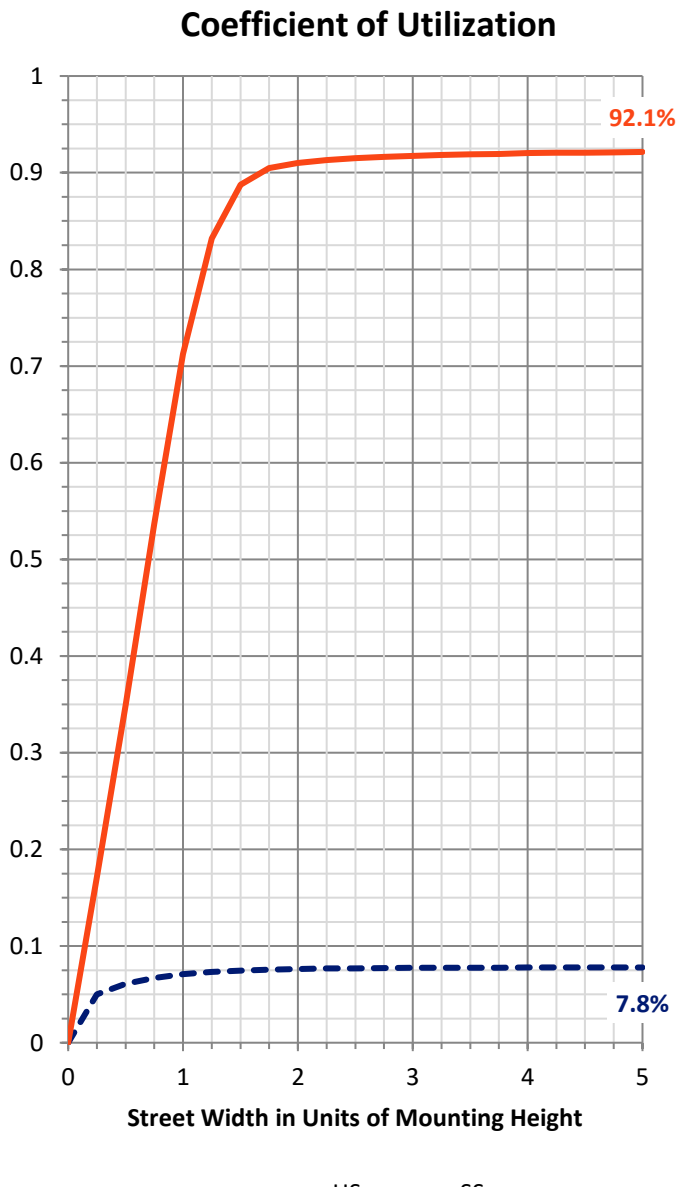
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.0	0.0	867.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	10235.0	0.0	10235.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	11102.0	0.0	11102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	2.2
10°-20°	601.3	5.4
20°-30°	962.0	8.7
30°-40°	1628.3	14.7
40°-50°	2673.3	24.1
50°-60°	2938.2	26.5
60°-70°	1685.3	15.2
70°-80°	344.4	3.1
80°-90°	20.3	0.2
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°	11102.0	100.0
0°-180°	11102.0	100.0



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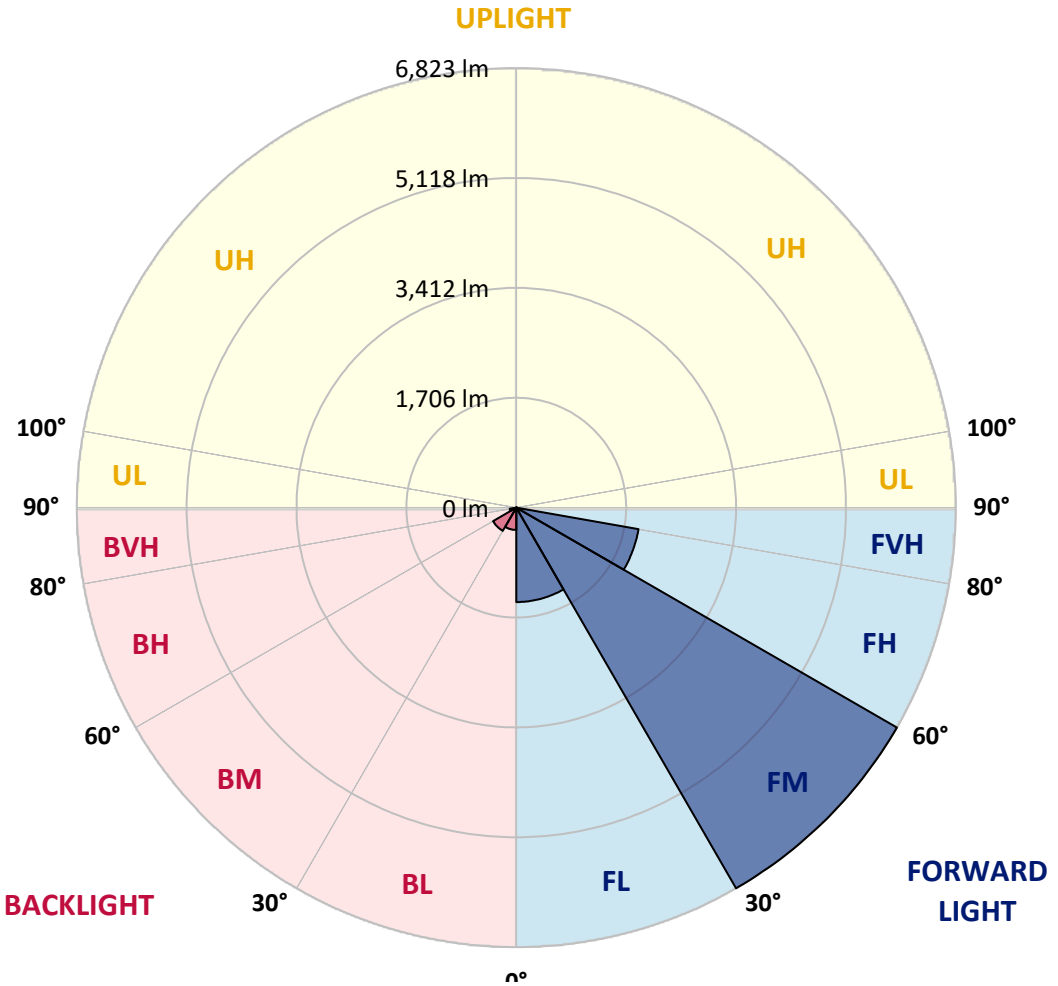
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1466.1	13.2			
FM	(30°-60°)	6823.4	61.5			
FH	(60°-80°)	1926.6	17.4			G2/5000
FVH	(80°-90°)	18.9	0.2			G1/100
BL	(0°-30°)	346.1	3.1	B1/500		
BM	(30°-60°)	416.4	3.8	B1/1000		
BH	(60°-80°)	103.1	0.9	B0/110		G0/110
BVH	(80°-90°)	1.4	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3
2.5°	3319.5	3277.7	3271.6	3263.4	3183.9	3124.4	3038.1	2943.7	2837.6	2729.4	2681.5
5°	3835.0	3802.1	3796.0	3757.6	3667.3	3565.9	3412.6	3218.9	3021.0	2788.3	2688.3
7.5°	3934.9	3928.8	3956.8	3955.5	3943.1	3863.0	3733.7	3503.0	3205.9	2860.8	2706.1
10°	3489.3	3505.0	3588.5	3661.8	3859.6	3974.6	3946.6	3756.2	3396.2	2943.7	2726.0
12.5°	3083.3	3064.8	3124.4	3207.2	3437.2	3779.5	4034.9	3967.8	3613.9	3037.4	2755.4
15°	2828.7	2821.1	2854.7	2893.0	3068.3	3413.3	3932.2	4139.6	3823.3	3148.3	2799.9
17.5°	2747.2	2741.0	2751.3	2760.9	2874.5	3141.5	3687.8	4245.0	4023.9	3275.0	2849.2
20°	2813.6	2805.4	2804.0	2796.5	2843.7	3025.8	3466.7	4252.6	4204.0	3390.0	2891.6
22.5°	3007.3	2997.7	2964.2	2934.1	2938.2	3041.6	3368.1	4177.3	4339.5	3497.5	2918.3
25°	3358.5	3342.8	3272.9	3171.6	3107.3	3151.1	3383.2	4078.0	4468.9	3581.7	2905.3
27.5°	3798.0	3777.5	3687.8	3537.2	3390.0	3336.6	3492.0	4009.5	4576.4	3646.0	2877.3
30°	4228.6	4201.9	4113.6	3996.5	3781.6	3613.2	3688.5	4039.7	4704.4	3713.1	2840.3
32.5°	4693.4	4668.1	4551.0	4405.9	4227.9	4001.3	3957.5	4186.8	4861.1	3806.9	2814.3
35°	5281.5	5241.8	5075.4	4877.6	4688.6	4459.3	4321.7	4440.8	5069.9	3950.0	2828.7
37.5°	5951.0	5897.6	5718.2	5445.1	5198.6	4941.9	4765.3	4790.0	5375.9	4141.7	2873.1
40°	6582.2	6533.6	6367.9	6110.5	5801.1	5489.6	5301.3	5246.6	5798.3	4375.1	2951.2
42.5°	6960.7	6916.9	6847.1	6738.2	6477.4	6159.8	5922.2	5803.8	6298.1	4654.4	3046.3
45°	6982.0	6943.6	7037.4	7164.0	7112.7	6901.2	6611.6	6394.6	6799.9	4916.6	3144.9
47.5°	6642.4	6616.4	6901.2	7343.4	7563.8	7652.8	7385.9	6936.1	7214.0	5104.9	3185.3
50°	5716.9	5707.3	6293.3	7105.2	7735.7	8311.4	8202.5	7439.9	7535.1	5202.1	3147.0
52.5°	4957.0	4922.1	5263.7	6342.6	7485.8	8657.8	9000.8	7934.2	7759.6	5220.5	3057.3
55°	3759.7	3728.9	4157.4	5066.5	6680.1	8534.6	9584.7	8444.2	7920.5	5173.3	2896.4
57.5°	2016.7	1997.6	2539.1	3372.2	5221.9	7795.2	9690.1	8983.6	8056.0	5048.0	2671.2
60°	785.2	781.8	984.4	1636.1	3173.7	6341.9	9158.2	9307.4	8140.9	4894.0	2482.9
62.5°	475.1	485.4	518.2	734.5	1402.0	3939.7	7932.1	8939.1	8197.8	4753.0	2327.5
65°	392.9	393.6	397.7	504.5	671.6	1648.4	5971.5	7727.5	8057.4	4501.7	2107.1
67.5°	336.8	343.0	358.7	400.5	473.7	722.9	3437.9	5985.9	7203.8	3917.1	1763.5
70°	265.6	273.8	293.7	329.3	365.6	452.5	1270.6	3982.8	5503.3	2952.6	1333.5
72.5°	223.9	223.2	233.4	267.7	290.3	318.3	488.8	2231.7	3198.3	1409.5	659.9
75°	173.2	180.0	193.0	223.9	237.5	230.7	264.9	815.3	1146.0	427.2	224.5
77.5°	135.5	141.0	152.7	182.8	196.5	163.6	152.7	291.6	368.3	153.3	101.3
80°	60.9	65.7	104.1	134.9	160.2	113.0	82.8	149.2	163.6	69.8	51.3
82.5°	11.0	18.5	60.9	71.2	82.1	73.2	43.1	77.4	80.1	28.1	17.8
85°	0.7	1.4	21.2	26.0	32.9	24.0	13.0	30.8	26.7	9.6	6.8
87.5°	0.0	0.0	0.0	0.7	0.7	3.4	4.1	5.5	4.1	3.4	2.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3	2675.3
2.5°	2632.2	2535.0	2440.5	2363.1	2318.0	2241.3	2190.6	2182.4	2161.2	2179.7
5°	2581.5	2407.6	2231.7	2074.3	1944.9	1777.8	1653.2	1600.5	1554.7	1570.4
7.5°	2557.6	2283.0	2009.2	1740.2	1463.6	1196.6	998.1	915.3	852.3	861.2
10°	2525.4	2153.7	1724.4	1313.7	943.3	679.8	542.9	492.2	464.1	464.8
12.5°	2500.7	1999.0	1393.8	890.6	574.4	434.0	391.6	379.3	371.0	371.7
15°	2488.4	1816.9	1067.2	593.5	410.7	367.6	357.3	351.9	346.4	345.7
17.5°	2467.9	1614.2	781.1	433.3	359.4	344.3	335.4	329.3	322.4	321.1
20°	2437.1	1384.2	570.9	366.2	336.8	325.2	312.8	304.6	296.4	295.1
22.5°	2380.3	1141.2	438.8	338.9	320.4	307.4	292.3	282.7	274.5	273.1
25°	2274.8	913.2	369.7	321.7	306.0	290.3	273.8	260.8	253.3	251.9
27.5°	2141.3	717.4	335.4	306.0	287.5	273.1	254.7	242.3	235.5	234.1
30°	1983.9	552.4	315.6	288.2	265.6	253.3	236.9	226.6	222.5	222.5
32.5°	1814.1	441.5	307.4	270.4	246.4	232.8	219.7	215.6	214.3	213.6
35°	1654.6	383.4	303.3	256.0	229.3	216.3	210.8	211.5	214.3	214.3
37.5°	1512.9	364.9	301.2	245.8	214.3	202.6	206.1	212.2	209.5	209.5
40°	1384.9	366.9	299.8	238.2	201.9	195.1	201.9	197.2	190.3	189.6
42.5°	1287.0	384.0	297.1	232.1	194.4	189.6	186.9	179.4	178.7	180.0
45°	1215.8	399.1	296.4	229.3	186.2	177.3	173.9	166.4	180.0	183.5
47.5°	1131.6	399.1	296.4	219.7	172.5	169.1	163.6	155.4	169.1	172.5
50°	1022.8	373.8	284.8	208.8	161.6	159.5	149.9	139.7	136.9	139.0
52.5°	885.2	327.9	255.3	193.7	150.6	146.5	134.9	127.3	125.3	125.3
55°	728.4	274.5	215.6	171.8	139.0	131.4	123.2	119.8	117.7	116.4
57.5°	*592.2*	*225.2*	*173.2*	*152.7*	*128.0*	*118.4*	*115.7*	*111.6*	*108.2*	*106.1*
60°	486.0	177.3	143.1	135.5	117.1	108.2	107.5	102.0	93.1	91.7
62.5°	375.1	130.1	120.5	117.7	106.1	98.6	97.2	86.3	72.6	69.8
65°	264.9	101.3	97.2	103.4	94.5	87.6	84.2	67.8	53.4	51.3
67.5°	186.2	84.9	76.7	90.4	82.1	73.2	71.2	57.5	44.5	43.1
70°	132.8	69.1	63.0	77.4	65.7	64.3	60.2	47.9	36.3	34.9
72.5°	93.8	52.7	48.6	67.1	45.2	55.5	49.3	37.0	27.4	26.0
75°	69.1	37.7	34.2	39.0	32.9	41.8	34.9	24.6	17.1	16.4
77.5°	50.7	24.0	20.5	19.2	19.2	26.0	19.2	10.3	7.5	6.8
80°	35.6	11.0	9.6	8.2	7.5	6.2	2.7	1.4	0.7	0.7
82.5°	21.2	4.8	4.8	3.4	2.1	0.0	0.0	0.0	0.0	0.0
85°	4.8	2.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	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


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SS

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(END OF REPORT)