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: P1199829

Luminaire Tested: GPC-SB2B-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:	P1199829
	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-SB2B-827-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA 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:	8347 lumens
Efficiency:	N/A
Efficacy:	112.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

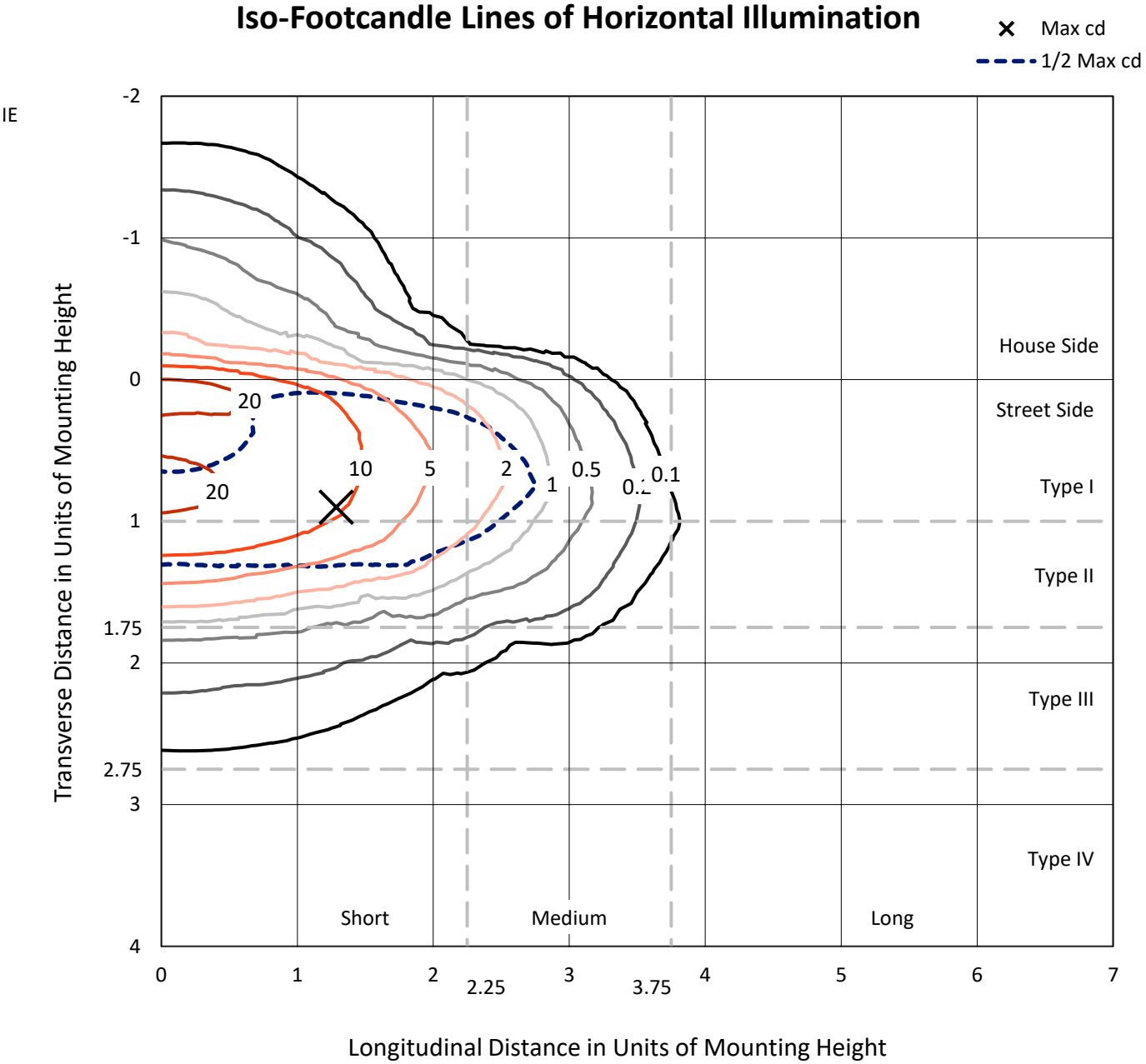


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Iso-Footcandle Lines of Horizontal Illumination



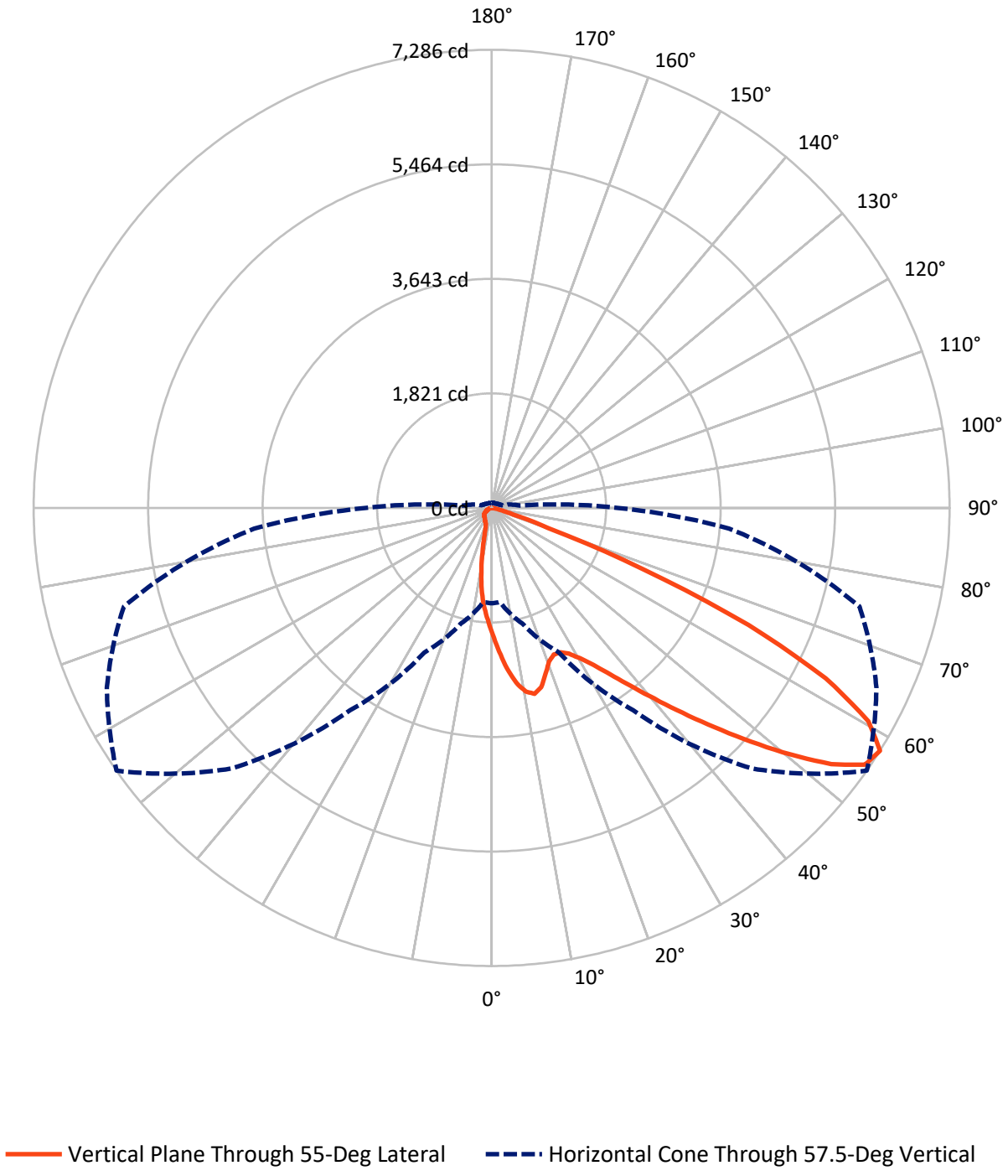
Based on 10 foot mounting height. Maximum calculated value = 28.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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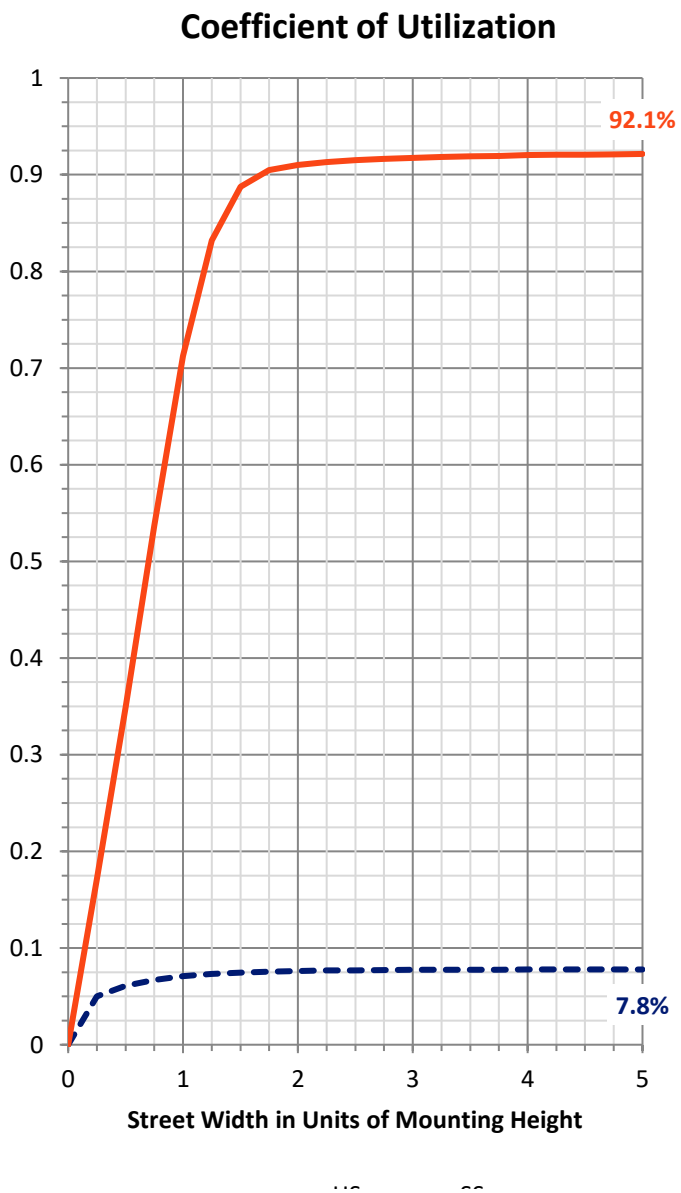
REPORT NUMBER: P1199829
CATALOG NUMBER: GPC-SB2B-827-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.9	0.0	651.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	7695.1	0.0	7695.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	8347.0	0.0	8347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	2.2
10°-20°	452.1	5.4
20°-30°	723.3	8.7
30°-40°	1224.2	14.7
40°-50°	2009.9	24.1
50°-60°	2209.0	26.5
60°-70°	1267.1	15.2
70°-80°	258.9	3.1
80°-90°	15.3	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°	8347.0	100.0
0°-180°	8347.0	100.0



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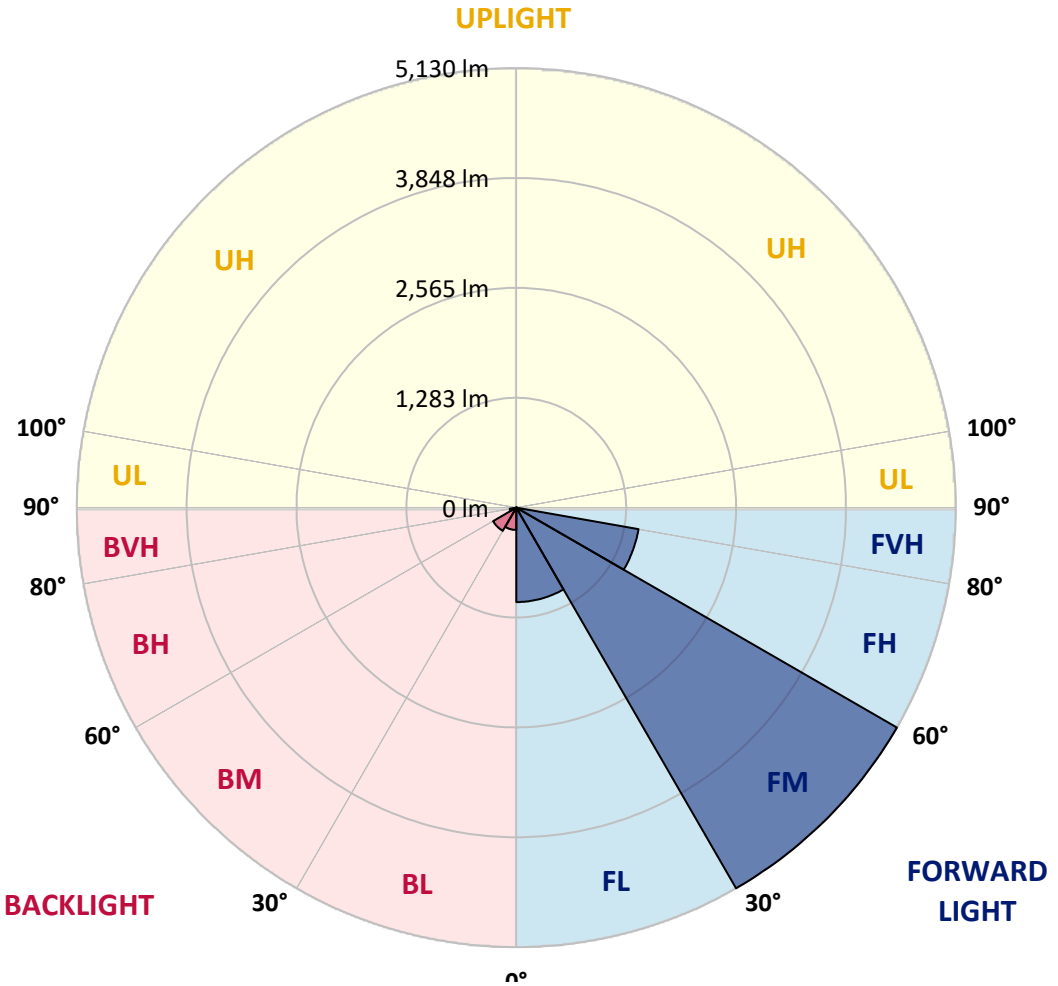
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1102.3	13.2			
FM	(30°-60°)	5130.1	61.5			
FH	(60°-80°)	1448.5	17.4			G1/1800
FVH	(80°-90°)	14.2	0.2			G1/100
BL	(0°-30°)	260.2	3.1	B1/500		
BM	(30°-60°)	313.1	3.8	B1/1000		
BH	(60°-80°)	77.5	0.9	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4
2.5°	2495.7	2464.4	2459.7	2453.5	2393.8	2349.1	2284.2	2213.2	2133.4	2052.1	2016.1
5°	2883.3	2858.6	2854.0	2825.2	2757.2	2681.0	2565.7	2420.1	2271.3	2096.3	2021.2
7.5°	2958.5	2953.8	2974.9	2973.9	2964.6	2904.4	2807.1	2633.7	2410.3	2150.9	2034.6
10°	2623.4	2635.2	2698.0	2753.1	2901.8	2988.3	2967.2	2824.1	2553.4	2213.2	2049.5
12.5°	2318.2	2304.3	2349.1	2411.3	2584.3	2841.6	3033.6	2983.2	2717.1	2283.7	2071.6
15°	2126.7	2121.1	2146.3	2175.1	2306.9	2566.3	2956.4	3112.4	2874.6	2367.1	2105.1
17.5°	2065.5	2060.8	2068.6	2075.8	2161.2	2361.9	2772.7	3191.6	3025.4	2462.3	2142.2
20°	2115.4	2109.2	2108.2	2102.5	2138.0	2274.9	2606.4	3197.3	3160.7	2548.8	2174.1
22.5°	2261.0	2253.8	2228.6	2206.0	2209.1	2286.8	2532.3	3140.7	3262.6	2629.6	2194.1
25°	2525.1	2513.2	2460.7	2384.6	2336.2	2369.1	2543.6	3066.0	3359.9	2692.9	2184.4
27.5°	2855.5	2840.1	2772.7	2659.4	2548.8	2508.6	2625.5	3014.6	3440.7	2741.3	2163.3
30°	3179.3	3159.2	3092.8	3004.8	2843.2	2716.6	2773.2	3037.2	3537.0	2791.7	2135.5
32.5°	3528.7	3509.7	3421.7	3312.6	3178.7	3008.4	2975.4	3147.9	3654.8	2862.2	2115.9
35°	3970.9	3941.0	3815.9	3667.2	3525.1	3352.7	3249.3	3338.8	3811.8	2969.8	2126.7
37.5°	4474.2	4434.1	4299.2	4093.9	3908.6	3715.6	3582.8	3601.3	4041.9	3113.9	2160.2
40°	4948.8	4912.2	4787.7	4594.2	4361.5	4127.3	3985.8	3944.6	4359.5	3289.4	2218.8
42.5°	5233.4	5200.5	5148.0	5066.1	4870.0	4631.2	4452.6	4363.6	4735.2	3499.4	2290.4
45°	5249.4	5220.5	5291.0	5386.3	5347.7	5188.6	4970.9	4807.7	5112.4	3696.5	2364.5
47.5°	4994.1	4974.5	5188.6	5521.1	5686.8	5753.8	5553.0	5214.9	5423.8	3838.1	2394.9
50°	4298.2	4291.0	4731.6	5342.0	5816.0	6248.9	6167.1	5593.7	5665.2	3911.2	2366.0
52.5°	3726.9	3700.6	3957.5	4768.6	5628.2	6509.3	6767.2	5965.3	5834.0	3925.1	2298.6
55°	2826.7	2803.5	3125.7	3809.2	5022.4	6416.7	7206.2	6348.7	5955.0	3889.5	2177.7
57.5°	1516.3	1501.9	1909.0	2535.4	3926.1	5860.8	7285.5	6754.3	6056.9	3795.3	2008.3
60°	590.4	587.8	740.1	1230.1	2386.1	4768.1	6885.6	6997.8	6120.7	3679.5	1866.8
62.5°	357.2	364.9	389.6	552.3	1054.1	2962.1	5963.8	6720.9	6163.5	3573.5	1750.0
65°	295.4	295.9	299.0	379.3	504.9	1239.4	4489.7	5809.9	6057.9	3384.6	1584.2
67.5°	253.2	257.9	269.7	301.1	356.2	543.5	2584.8	4500.5	5416.1	2945.1	1325.8
70°	199.7	205.9	220.8	247.6	274.8	340.2	955.3	2994.5	4137.6	2219.9	1002.6
72.5°	168.3	167.8	175.5	201.2	218.2	239.3	367.5	1677.9	2404.6	1059.8	496.2
75°	130.2	135.4	145.1	168.3	178.6	173.5	199.2	613.0	861.6	321.2	168.8
77.5°	101.9	106.0	114.8	137.4	147.7	123.0	114.8	219.3	276.9	115.3	76.2
80°	45.8	49.4	78.2	101.4	120.4	84.9	62.3	112.2	123.0	52.5	38.6
82.5°	8.2	13.9	45.8	53.5	61.8	55.1	32.4	58.2	60.2	21.1	13.4
85°	0.5	1.0	16.0	19.6	24.7	18.0	9.8	23.2	20.1	7.2	5.1
87.5°	0.0	0.0	0.0	0.5	0.5	2.6	3.1	4.1	3.1	2.6	2.1
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°	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4	2011.4
2.5°	1979.0	1905.9	1834.9	1776.7	1742.8	1685.1	1647.0	1640.8	1624.9	1638.8
5°	1940.9	1810.2	1677.9	1559.5	1462.2	1336.7	1243.0	1203.4	1168.9	1180.7
7.5°	1922.9	1716.5	1510.6	1308.4	1100.4	899.7	750.4	688.1	640.8	647.5
10°	1898.7	1619.2	1296.5	987.7	709.2	511.1	408.2	370.1	349.0	349.5
12.5°	1880.2	1502.9	1047.9	669.6	431.8	326.3	294.4	285.1	279.0	279.5
15°	1870.9	1366.0	802.4	446.2	308.8	276.4	268.7	264.6	260.4	259.9
17.5°	1855.5	1213.6	587.3	325.8	270.2	258.9	252.2	247.6	242.4	241.4
20°	1832.3	1040.7	429.3	275.4	253.2	244.5	235.2	229.0	222.9	221.8
22.5°	1789.6	858.0	329.9	254.8	240.9	231.1	219.8	212.6	206.4	205.4
25°	1710.3	686.6	277.9	241.9	230.1	218.2	205.9	196.1	190.4	189.4
27.5°	1610.0	539.4	252.2	230.1	216.2	205.4	191.5	182.2	177.1	176.0
30°	1491.6	415.4	237.3	216.7	199.7	190.4	178.1	170.4	167.3	167.3
32.5°	1363.9	332.0	231.1	203.3	185.3	175.0	165.2	162.1	161.1	160.6
35°	1244.0	288.2	228.0	192.5	172.4	162.6	158.5	159.0	161.1	161.1
37.5°	1137.5	274.3	226.5	184.8	161.1	152.3	154.9	159.6	157.5	157.5
40°	1041.2	275.9	225.4	179.1	151.8	146.7	151.8	148.2	143.1	142.6
42.5°	967.6	288.7	223.4	174.5	146.2	142.6	140.5	134.8	134.3	135.4
45°	914.1	300.1	222.9	172.4	140.0	133.3	130.7	125.1	135.4	137.9
47.5°	850.8	300.1	222.9	165.2	129.7	127.1	123.0	116.8	127.1	129.7
50°	769.0	281.0	214.1	157.0	121.5	119.9	112.7	105.0	102.9	104.5
52.5°	665.5	246.5	192.0	145.7	113.2	110.1	101.4	95.7	94.2	94.2
55°	547.6	206.4	162.1	129.2	104.5	98.8	92.6	90.1	88.5	87.5
57.5°	*445.2*	*169.3*	*130.2*	*114.8*	*96.2*	*89.0*	*87.0*	*83.9*	*81.3*	*79.8*
60°	365.4	133.3	107.6	101.9	88.0	81.3	80.8	76.7	70.0	69.0
62.5°	282.1	97.8	90.6	88.5	79.8	74.1	73.1	64.9	54.6	52.5
65°	199.2	76.2	73.1	77.7	71.0	65.9	63.3	51.0	40.1	38.6
67.5°	140.0	63.8	57.6	67.9	61.8	55.1	53.5	43.2	33.5	32.4
70°	99.9	52.0	47.4	58.2	49.4	48.4	45.3	36.0	27.3	26.2
72.5°	70.5	39.6	36.5	50.4	34.0	41.7	37.1	27.8	20.6	19.6
75°	52.0	28.3	25.7	29.3	24.7	31.4	26.2	18.5	12.9	12.4
77.5°	38.1	18.0	15.4	14.4	14.4	19.6	14.4	7.7	5.7	5.1
80°	26.8	8.2	7.2	6.2	5.7	4.6	2.1	1.0	0.5	0.5
82.5°	16.0	3.6	3.6	2.6	1.5	0.0	0.0	0.0	0.0	0.0
85°	3.6	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	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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(END OF REPORT)