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: P1199830

Luminaire Tested: GPC-SB2B-827-U-AFL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199830
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2B-827-U-AFL
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLIN OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9957 lumens
Efficiency:	N/A
Efficacy:	134.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - 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

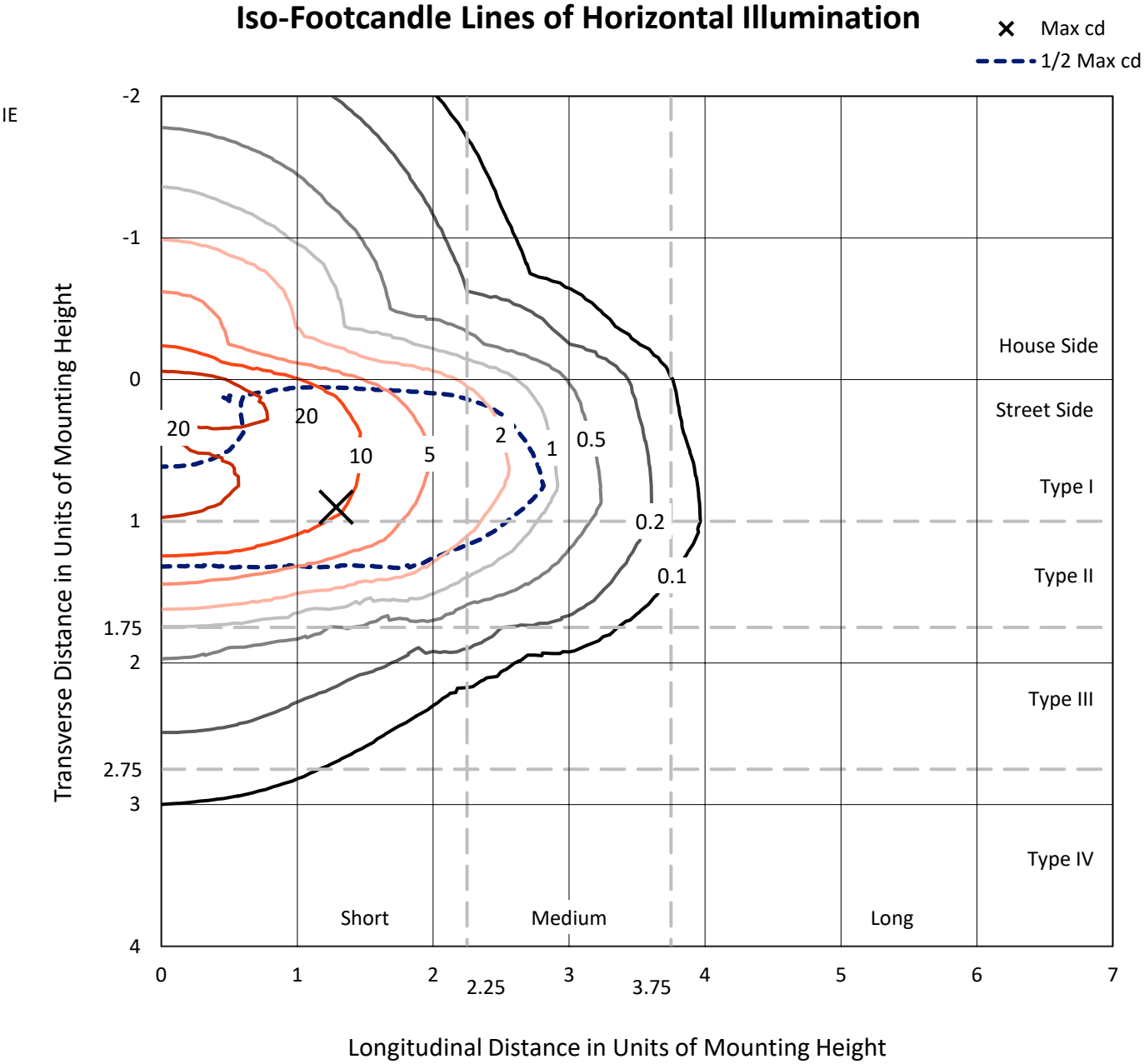


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Iso-Footcandle Lines of Horizontal Illumination



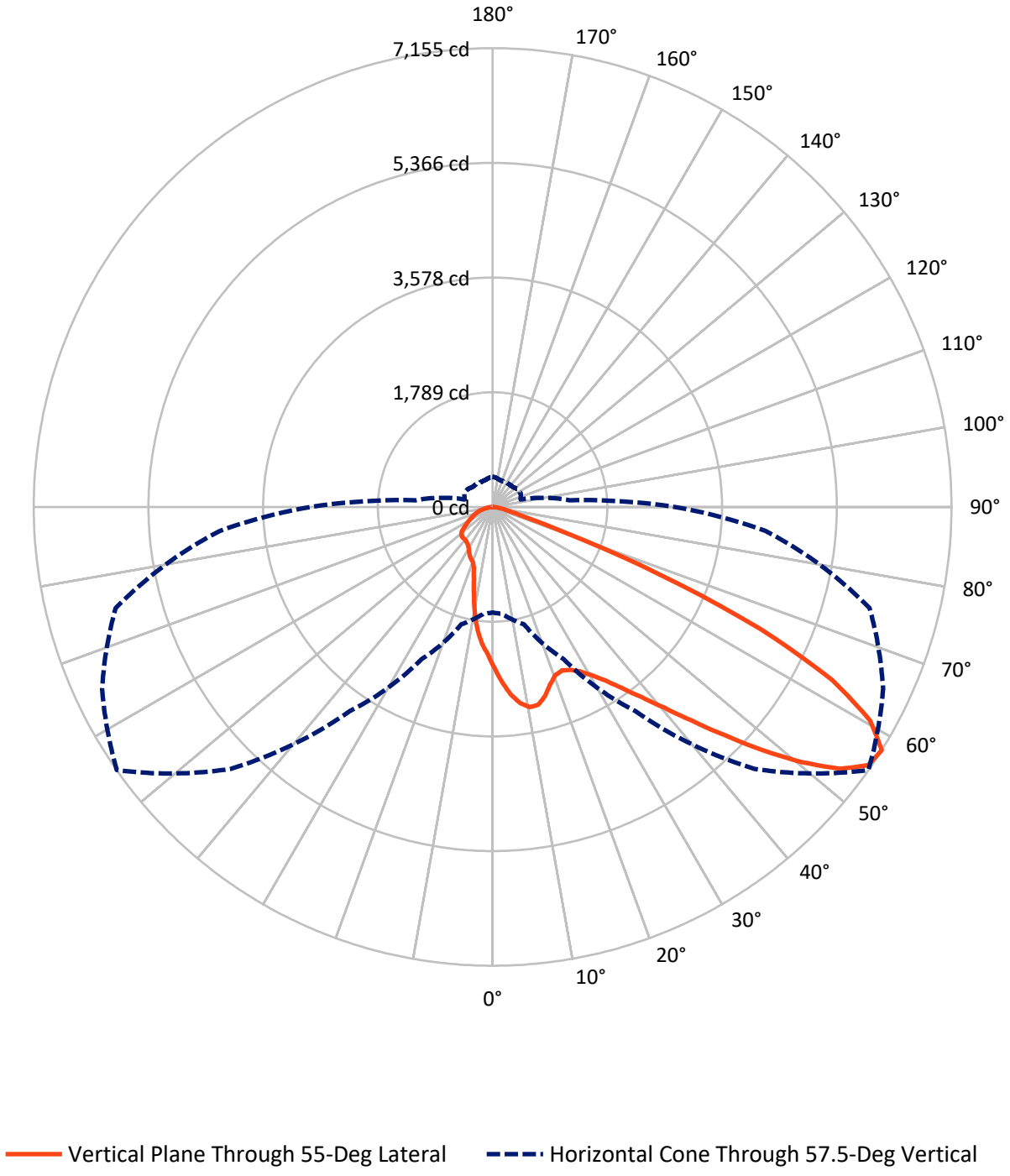
Based on 10 foot mounting height. Maximum calculated value = 30.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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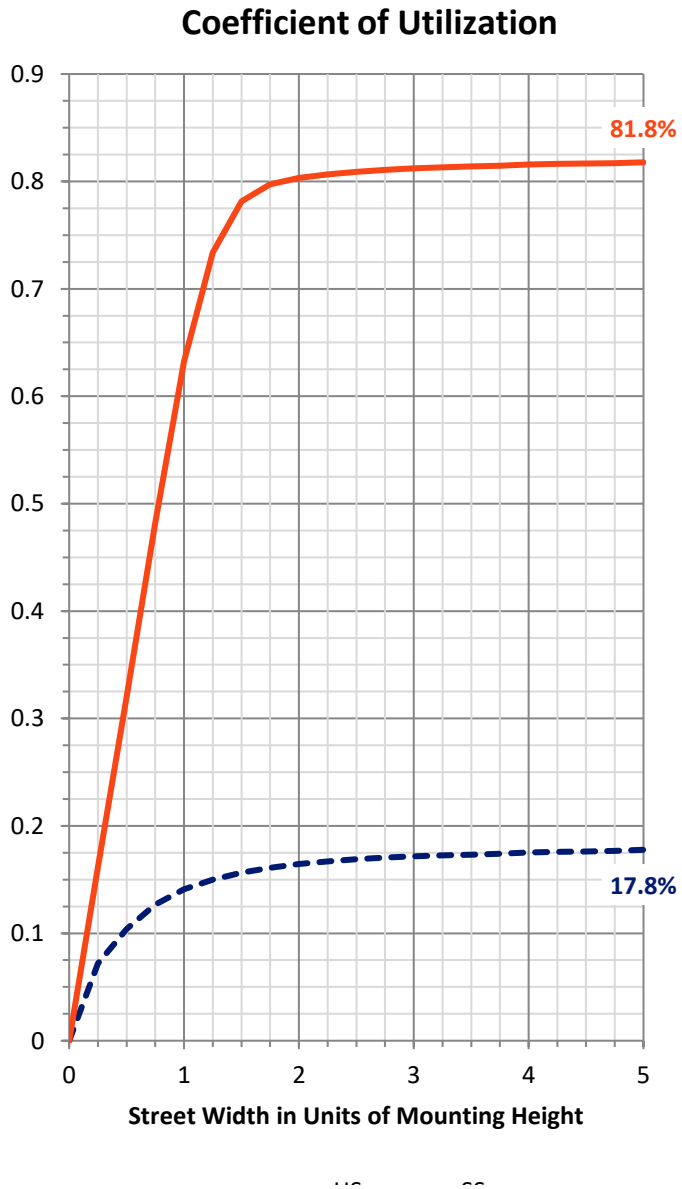
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.7	0.0	1801.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8155.3	0.0	8155.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	9957.0	0.0	9957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	2.3
10°-20°	584.3	5.9
20°-30°	932.5	9.4
30°-40°	1476.3	14.8
40°-50°	2259.6	22.7
50°-60°	2420.3	24.3
60°-70°	1522.6	15.3
70°-80°	450.3	4.5
80°-90°	79.6	0.8
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°	9957.0	100.0
0°-180°	9957.0	100.0



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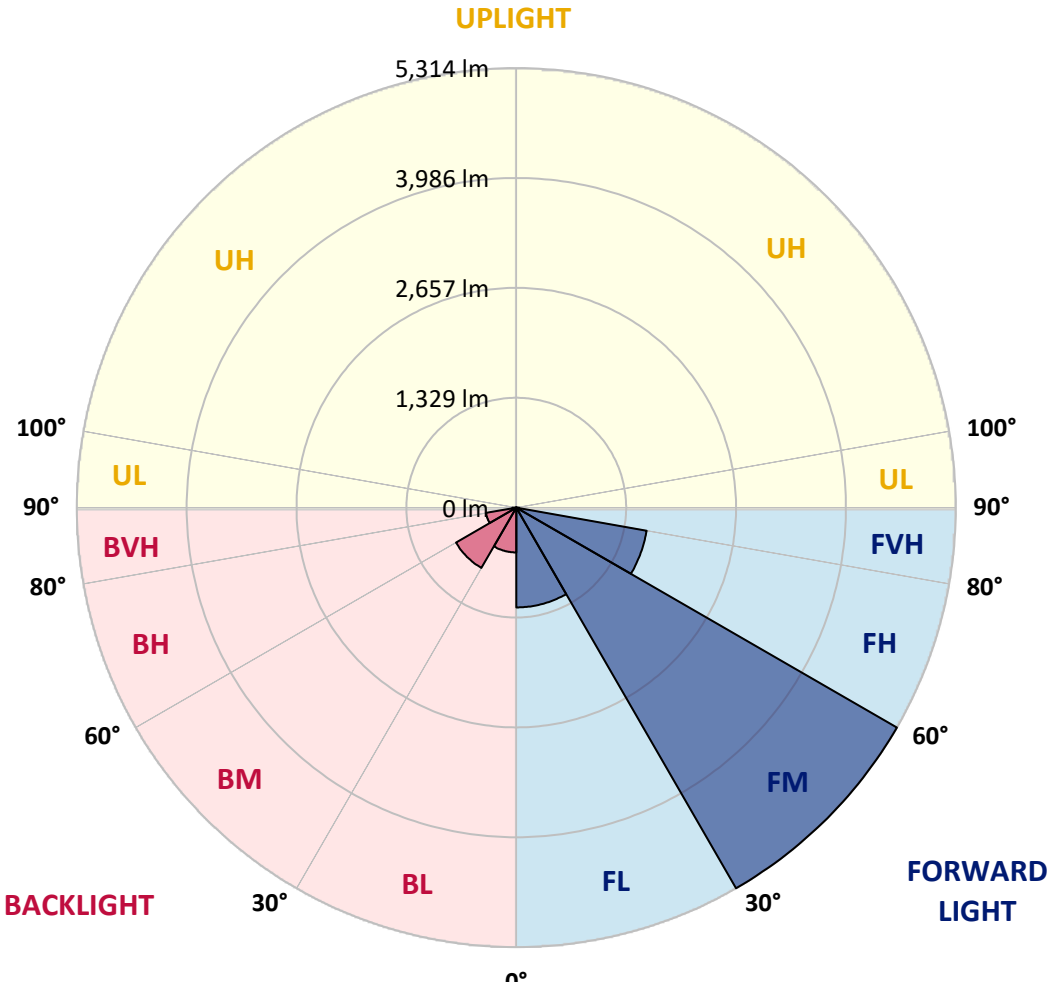
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1206.8	12.1			
FM	(30°-60°)	5314.1	53.4			
FH	(60°-80°)	1600.8	16.1			G1/1800
FVH	(80°-90°)	33.6	0.3			G1/100
BL	(0°-30°)	541.5	5.4	B2/1000		
BM	(30°-60°)	842.1	8.5	B1/1000		
BH	(60°-80°)	372.1	3.7	B1/500		G1/500
BVH	(80°-90°)	46.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9
2.5°	2862.4	2860.4	2871.7	2833.1	2806.8	2771.3	2724.5	2664.8	2600.4	2532.5	2503.1
5°	3120.3	3102.3	3114.1	3085.3	3056.5	3002.9	2933.5	2836.2	2717.3	2581.9	2509.8
7.5°	3079.6	3067.3	3097.7	3123.4	3145.0	3138.3	3087.4	2985.4	2832.0	2635.4	2530.9
10°	2751.8	2737.9	2780.6	2869.6	3000.4	3114.1	3175.9	3112.6	2949.4	2694.1	2551.5
12.5°	2462.5	2455.8	2484.1	2556.2	2701.3	2919.6	3164.6	3223.8	3071.4	2763.6	2579.3
15°	2338.9	2330.7	2348.7	2385.3	2477.9	2681.2	3061.6	3299.9	3191.3	2843.9	2623.6
17.5°	2311.7	2302.4	2310.1	2329.2	2388.9	2543.8	2906.2	3337.5	3316.4	2933.5	2660.6
20°	2362.1	2354.4	2355.4	2354.4	2396.1	2519.1	2798.1	3323.1	3425.5	3015.8	2696.7
22.5°	2484.1	2471.2	2471.7	2444.5	2467.1	2562.3	2769.8	3284.5	3522.8	3087.9	2724.0
25°	2682.8	2659.6	2664.2	2594.8	2588.6	2659.1	2814.0	3254.6	3619.6	3145.5	2729.1
27.5°	2954.6	2928.3	2914.4	2810.9	2761.5	2796.5	2904.1	3264.9	3711.2	3195.4	2716.2
30°	3294.3	3262.4	3234.1	3087.4	2997.8	2984.9	3044.1	3332.9	3819.3	3248.0	2694.1
32.5°	3710.7	3673.6	3622.2	3427.6	3301.5	3234.1	3225.3	3453.8	3945.9	3314.9	2682.8
35°	4206.4	4158.0	4084.9	3833.2	3673.6	3535.7	3464.1	3628.3	4119.4	3415.8	2695.6
37.5°	4717.0	4662.4	4595.5	4295.9	4099.8	3896.5	3755.5	3865.1	4350.5	3552.7	2729.6
40°	5188.0	5126.7	5064.4	4797.8	4587.3	4342.3	4112.2	4164.7	4633.1	3716.4	2787.3
42.5°	5465.9	5420.6	5397.0	5252.8	5090.2	4841.6	4555.9	4519.9	4950.7	3904.7	2853.2
45°	5453.6	5435.0	5508.1	5567.8	5529.2	5391.3	5075.8	4912.6	5269.3	4067.9	2913.9
47.5°	5162.2	5174.6	5337.8	5673.4	5821.1	5893.2	5667.7	5298.1	5546.2	4189.9	2941.2
50°	4369.6	4379.8	4757.7	5481.4	5896.2	6302.4	6255.0	5674.4	5760.9	4264.5	2935.0
52.5°	3742.1	3748.8	3910.9	4912.1	5648.1	6508.3	6784.2	6029.0	5917.9	4285.1	2900.5
55°	2818.7	2841.8	3023.5	3853.8	5002.7	6345.1	7106.4	6394.5	6017.2	4287.2	2864.5
57.5°	1646.6	1671.8	1896.3	2615.9	3888.3	5776.3	7155.3	6718.8	6084.6	4270.7	2842.9
60°	806.6	817.4	915.2	1374.8	2397.6	4680.4	6762.0	6875.8	6122.2	4262.0	2841.8
62.5°	543.6	542.0	546.1	678.4	1181.3	3007.1	5942.6	6600.9	6102.1	4228.5	2831.5
65°	467.4	461.7	446.3	476.1	612.0	1375.4	4591.4	5780.4	5949.3	4144.6	2761.0
67.5°	404.1	404.6	405.1	395.8	437.0	634.7	2805.8	4553.3	5400.6	3747.2	2489.2
70°	334.6	339.2	341.3	341.3	356.2	416.4	1197.8	3120.8	4259.9	2938.1	2004.9
72.5°	304.7	294.9	296.0	290.8	290.8	317.1	482.3	1769.1	2683.8	1652.8	1223.5
75°	248.6	254.8	255.8	252.2	240.4	241.9	286.2	742.2	1148.4	685.6	604.8
77.5°	214.6	214.6	216.7	214.1	204.9	181.2	191.0	287.7	390.7	281.0	302.1
80°	172.4	171.9	180.7	185.8	171.4	133.8	122.0	159.1	173.5	123.5	157.0
82.5°	83.9	89.0	124.1	141.6	130.2	96.8	74.6	98.8	92.7	54.6	70.5
85°	48.9	46.3	55.6	78.8	74.6	53.5	36.0	51.5	48.4	27.8	28.3
87.5°	15.4	14.4	11.3	26.8	21.6	14.9	9.8	14.9	13.4	6.2	6.2
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°	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9	2494.9
2.5°	2466.6	2405.9	2345.6	2290.6	2257.1	2235.5	2213.9	2189.7	2180.4	2166.5
5°	2441.9	2324.5	2220.0	2130.0	2048.1	1983.8	1918.9	1866.4	1842.7	1858.7
7.5°	2427.5	2257.6	2096.5	1931.3	1772.2	1645.1	1534.4	1456.7	1421.7	1430.4
10°	2414.6	2181.9	1936.4	1675.4	1446.9	1289.4	1176.2	1117.0	1094.8	1099.5
12.5°	2402.8	2097.0	1743.4	1400.1	1157.1	1053.1	1020.7	1021.2	1025.3	1028.4
15°	2400.7	1994.6	1527.7	1159.2	1000.6	993.9	1028.9	1051.1	1062.9	1066.5
17.5°	2397.6	1872.1	1307.9	995.0	962.5	1007.8	1040.3	1054.7	1063.9	1064.5
20°	2385.3	1716.6	1105.1	916.7	954.3	993.4	1013.5	1024.8	1032.6	1035.1
22.5°	2347.2	1543.7	947.1	881.7	921.4	952.8	976.4	989.3	993.9	997.0
25°	2278.7	1350.1	838.0	848.3	875.6	915.2	934.2	936.8	935.3	939.9
27.5°	2189.2	1142.7	770.0	803.0	838.0	872.0	882.2	880.7	877.6	882.8
30°	2081.1	956.4	726.8	752.0	799.9	830.8	840.0	836.4	830.3	835.9
32.5°	1966.8	804.0	691.3	716.5	768.5	798.9	808.1	804.5	799.9	804.5
35°	1860.2	697.5	658.3	692.8	743.8	773.6	785.5	786.0	786.0	791.7
37.5°	1762.4	635.2	631.1	677.9	726.8	753.6	770.6	771.6	749.4	751.0
40°	1671.8	608.9	618.7	668.1	710.3	736.1	737.1	679.4	638.8	637.8
42.5°	1597.7	603.8	622.3	667.1	698.5	699.5	626.9	582.2	570.8	571.4
45°	1528.2	602.2	630.5	667.1	681.0	604.3	555.4	543.6	544.6	548.7
47.5°	1450.5	596.1	632.1	657.8	630.5	537.4	523.0	517.8	515.8	516.8
50°	1365.6	573.9	612.5	639.3	544.1	508.6	490.5	489.0	491.6	493.1
52.5°	1276.0	537.9	579.1	605.8	504.4	483.3	463.3	466.9	478.2	481.8
55°	1217.3	495.7	534.8	538.9	476.6	459.7	442.7	450.9	472.0	478.7
57.5°	*1201.9*	*450.9*	*484.4*	*479.7*	*441.1*	*439.1*	*428.8*	*436.0*	*462.7*	*472.5*
60°	1197.3	410.8	434.9	431.3	406.6	416.4	413.8	417.4	426.7	429.8
62.5°	1161.2	378.8	390.7	385.5	375.8	392.7	398.9	391.2	398.4	402.0
65°	1069.6	353.1	347.4	343.8	348.0	363.4	375.8	360.3	367.0	377.3
67.5°	918.3	318.1	302.7	306.8	319.6	327.9	343.8	326.3	332.0	349.5
70°	742.8	273.8	259.9	271.8	284.1	301.1	303.7	291.9	305.2	324.8
72.5°	525.5	229.1	219.3	243.5	247.6	269.7	264.1	258.4	276.9	283.6
75°	364.4	184.8	179.1	197.7	212.6	231.6	227.5	234.2	273.3	276.4
77.5°	230.6	143.6	140.0	151.8	172.4	193.5	200.2	276.4	466.9	485.4
80°	133.8	107.1	102.9	112.2	130.2	149.8	193.0	339.2	307.8	304.2
82.5°	74.6	73.6	68.5	71.0	87.0	108.1	272.8	238.8	194.1	200.2
85°	35.0	43.2	37.1	35.5	48.9	126.6	182.2	136.4	90.6	88.5
87.5°	9.3	8.2	8.2	9.3	20.6	109.1	72.6	58.2	34.5	33.5
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)