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: P1200782

Luminaire Tested: GPC-SB2D-827-U-AFL

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200782
	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-SB2D-827-U-AFL
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLIN OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17993 lumens
Efficiency:	N/A
Efficacy:	121.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

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

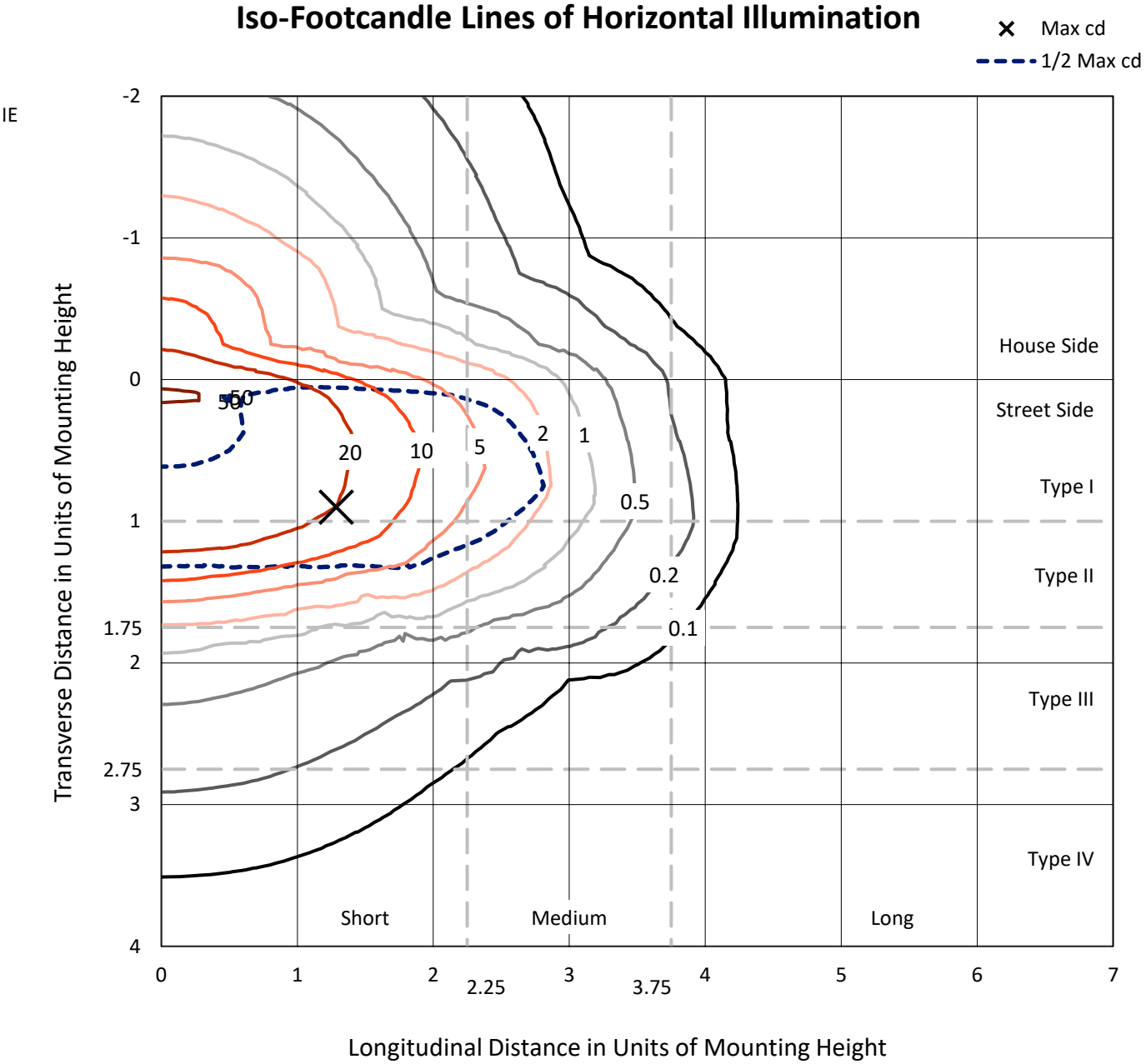


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Iso-Footcandle Lines of Horizontal Illumination



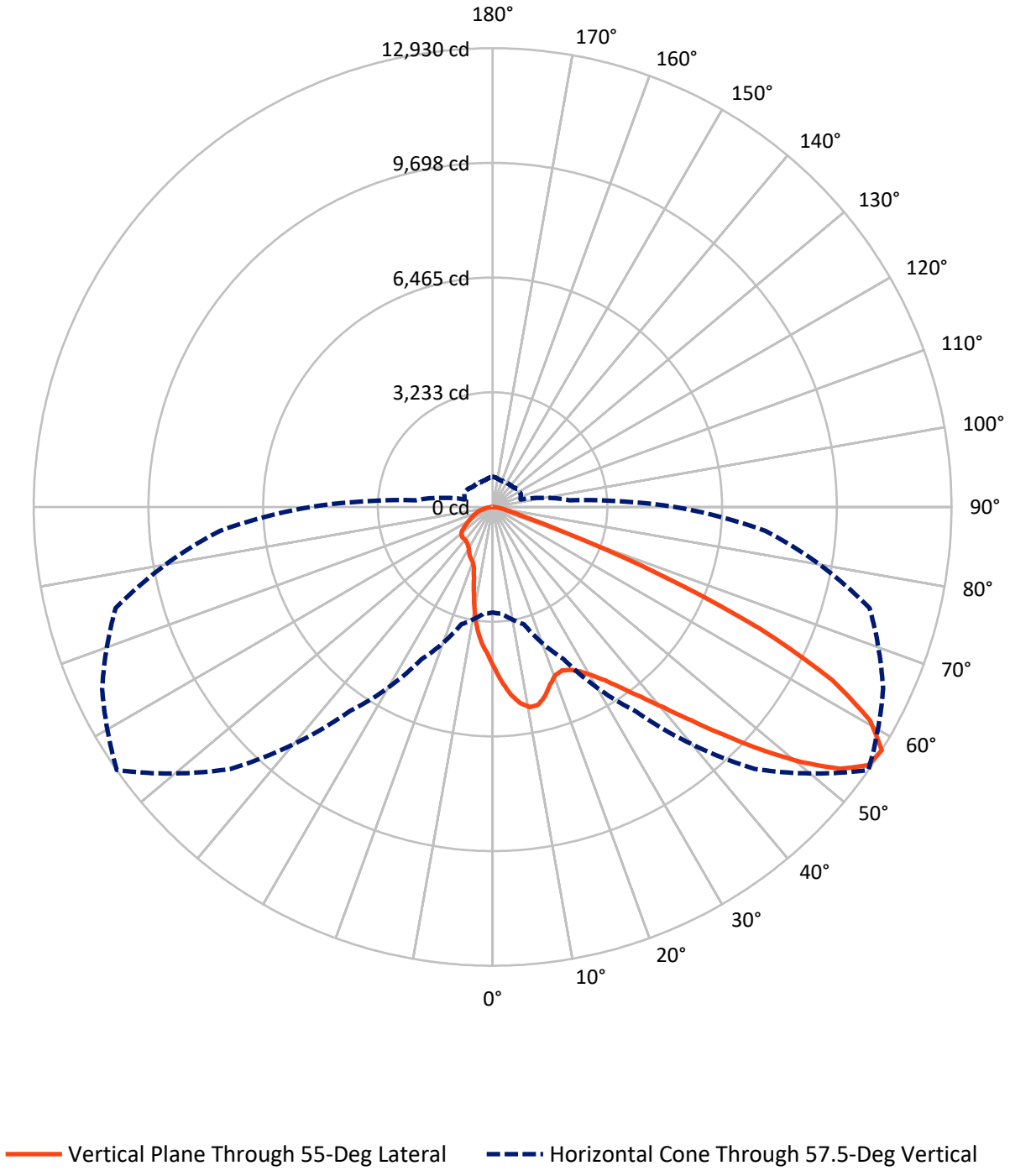
Based on 10 foot mounting height. Maximum calculated value = 54.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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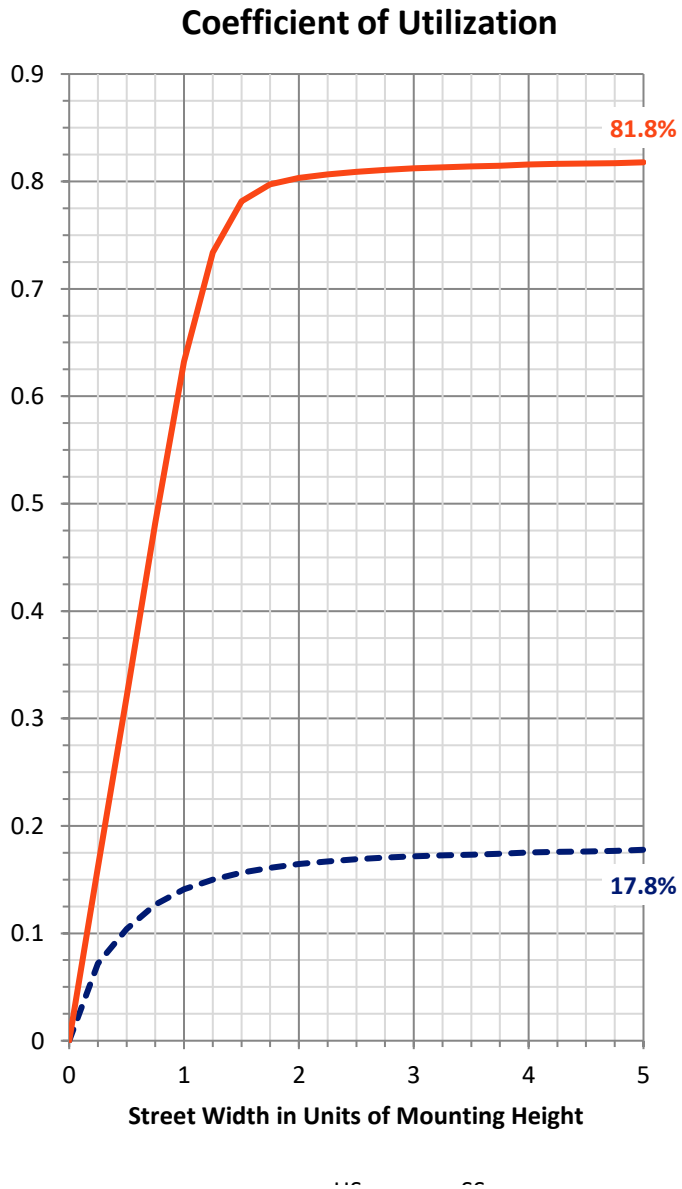
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3255.7	0.0	3255.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14737.3	0.0	14737.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	17993.0	0.0	17993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.4	2.3
10°-20°	1056.0	5.9
20°-30°	1685.0	9.4
30°-40°	2667.8	14.8
40°-50°	4083.3	22.7
50°-60°	4373.6	24.3
60°-70°	2751.5	15.3
70°-80°	813.7	4.5
80°-90°	143.9	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°	17993.0	100.0
0°-180°	17993.0	100.0



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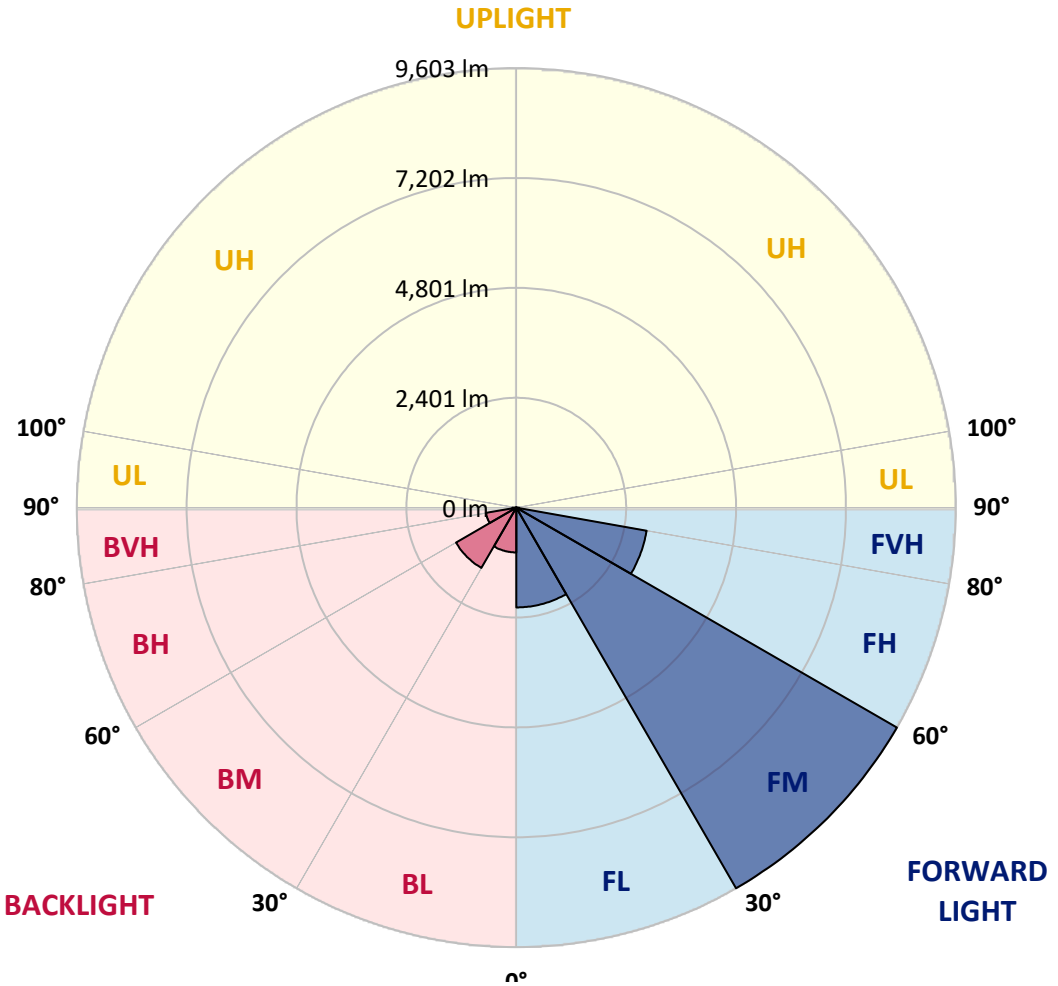
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2180.8	12.1			
FM	(30°-60°)	9603.0	53.4			
FH	(60°-80°)	2892.7	16.1			G2/5000
FVH	(80°-90°)	60.8	0.3			G1/100
BL	(0°-30°)	978.6	5.4	B2/1000		
BM	(30°-60°)	1521.7	8.5	B2/2500		
BH	(60°-80°)	672.4	3.7	B2/1000		G2/1000
BVH	(80°-90°)	83.1	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-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5
2.5°	5172.6	5168.9	5189.3	5119.6	5072.1	5008.0	4923.3	4815.4	4699.1	4576.4	4523.3
5°	5638.6	5606.0	5627.4	5575.3	5523.3	5426.5	5301.0	5125.2	4910.3	4665.7	4535.4
7.5°	5565.1	5542.8	5597.7	5644.2	5683.2	5671.2	5579.1	5394.9	5117.7	4762.4	4573.6
10°	4972.6	4947.5	5024.7	5185.6	5421.9	5627.4	5739.1	5624.6	5329.8	4868.4	4610.8
12.5°	4449.9	4437.8	4488.9	4619.2	4881.5	5275.8	5718.6	5825.6	5550.2	4994.0	4661.0
15°	4226.6	4211.7	4244.3	4310.3	4477.8	4845.2	5532.6	5963.2	5767.0	5139.1	4741.0
17.5°	4177.3	4160.6	4174.5	4209.0	4316.8	4596.8	5251.7	6031.1	5993.0	5301.0	4808.0
20°	4268.5	4254.5	4256.4	4254.5	4329.9	4552.2	5056.3	6005.1	6190.2	5449.8	4873.1
22.5°	4488.9	4465.7	4466.6	4417.3	4458.2	4630.3	5005.2	5935.3	6366.0	5580.0	4922.4
25°	4848.0	4806.1	4814.5	4688.9	4677.7	4805.2	5085.2	5881.4	6540.9	5684.2	4931.7
27.5°	5339.1	5291.7	5266.5	5079.6	4990.3	5053.5	5247.9	5900.0	6706.4	5774.4	4908.4
30°	5953.0	5895.3	5844.2	5579.1	5417.2	5394.0	5500.9	6022.8	6901.8	5869.3	4868.4
32.5°	6705.5	6638.5	6545.5	6193.9	5966.0	5844.2	5828.4	6241.3	7130.6	5990.2	4848.0
35°	7601.2	7513.8	7381.7	6926.9	6638.5	6389.2	6259.9	6556.7	7444.0	6172.5	4871.2
37.5°	8523.9	8425.3	8304.4	7763.1	7408.7	7041.3	6786.4	6984.5	7861.7	6419.9	4932.6
40°	9375.0	9264.3	9151.8	8670.0	8289.5	7846.8	7431.0	7525.9	8372.3	6715.7	5036.8
42.5°	9877.3	9795.5	9752.7	9492.2	9198.3	8749.0	8232.8	8167.7	8946.2	7056.2	5155.8
45°	9855.0	9821.5	9953.6	10061.5	9991.7	9742.4	9172.3	8877.4	9522.0	7351.0	5265.6
47.5°	9328.5	9350.8	9645.7	10252.2	10519.1	10649.3	10241.9	9574.1	10022.4	7571.5	5314.9
50°	7896.1	7914.7	8597.4	9905.2	10654.9	11388.8	11303.2	10254.0	10410.3	7706.3	5303.7
52.5°	6762.2	6774.3	7067.3	8876.5	10206.6	11760.9	12259.4	10894.9	10694.0	7743.5	5241.4
55°	5093.5	5135.4	5463.7	6964.1	9040.2	11466.0	12841.7	11555.3	10873.5	7747.3	5176.3
57.5°	2975.6	3021.1	3426.7	4727.0	7026.4	10438.2	12930.1	12141.3	10995.4	7717.5	5137.2
60°	1457.6	1477.1	1653.8	2484.4	4332.7	8457.9	12219.4	12425.0	11063.3	7701.7	5135.4
62.5°	982.2	979.5	986.9	1225.9	2134.7	5434.0	10738.6	11928.3	11027.0	7641.2	5116.8
65°	844.6	834.3	806.4	860.4	1106.0	2485.4	8297.0	10445.6	10750.7	7489.6	4989.4
67.5°	730.2	731.1	732.0	715.3	789.7	1146.9	5070.3	8228.2	9759.2	6771.5	4498.2
70°	604.6	613.0	616.7	616.7	643.7	752.5	2164.5	5639.5	7698.0	5309.3	3623.0
72.5°	550.7	533.0	534.8	525.5	525.5	573.0	871.6	3196.9	4849.8	2986.7	2211.0
75°	449.3	460.4	462.3	455.8	434.4	437.2	517.2	1341.3	2075.2	1239.0	1092.9
77.5°	387.9	387.9	391.6	386.9	370.2	327.4	345.1	520.0	706.0	507.9	546.0
80°	311.6	310.7	326.5	335.8	309.7	241.8	220.4	287.4	313.5	223.2	283.7
82.5°	151.6	160.9	224.2	255.8	235.3	174.9	134.9	178.6	167.4	98.6	127.4
85°	88.4	83.7	100.5	142.3	134.9	96.7	65.1	93.0	87.4	50.2	51.2
87.5°	27.9	26.0	20.5	48.4	39.1	27.0	17.7	27.0	24.2	11.2	11.2
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°	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5	4508.5
2.5°	4457.3	4347.5	4238.7	4139.2	4078.7	4039.7	4000.6	3956.9	3940.1	3915.0
5°	4412.7	4200.6	4011.8	3849.0	3701.1	3584.8	3467.6	3372.7	3330.0	3358.8
7.5°	4386.6	4079.7	3788.5	3489.9	3202.5	2972.8	2772.8	2632.3	2569.1	2584.9
10°	4363.4	3942.9	3499.2	3027.7	2614.7	2330.0	2125.4	2018.4	1978.4	1986.8
12.5°	4342.0	3789.5	3150.4	2530.0	2091.0	1903.1	1844.5	1845.4	1852.9	1858.4
15°	4338.2	3604.4	2760.7	2094.7	1808.2	1796.1	1859.4	1899.4	1920.8	1927.3
17.5°	4332.7	3383.0	2363.5	1798.0	1739.4	1821.2	1879.8	1905.9	1922.6	1923.6
20°	4310.3	3102.1	1997.0	1656.6	1724.5	1795.2	1831.5	1851.9	1865.9	1870.5
22.5°	4241.5	2789.5	1711.5	1593.4	1665.0	1721.7	1764.5	1787.8	1796.1	1801.7
25°	4117.8	2439.8	1514.3	1532.9	1582.2	1653.8	1688.2	1692.9	1690.1	1698.5
27.5°	3955.9	2064.9	1391.5	1451.0	1514.3	1575.7	1594.3	1591.5	1585.9	1595.2
30°	3760.6	1728.2	1313.4	1359.0	1445.5	1501.3	1518.0	1511.5	1500.3	1510.6
32.5°	3554.1	1452.9	1249.2	1294.8	1388.7	1443.6	1460.3	1453.8	1445.5	1453.8
35°	3361.6	1260.4	1189.7	1252.0	1344.1	1398.0	1419.4	1420.3	1420.3	1430.6
37.5°	3184.9	1147.8	1140.4	1225.0	1313.4	1361.7	1392.4	1394.3	1354.3	1357.1
40°	3021.1	1100.4	1118.0	1207.3	1283.6	1330.1	1332.0	1227.8	1154.3	1152.5
42.5°	2887.2	1091.1	1124.6	1205.5	1262.2	1264.1	1132.9	1052.0	1031.5	1032.5
45°	2761.6	1088.3	1139.4	1205.5	1230.6	1092.0	1003.6	982.2	984.1	991.5
47.5°	2621.2	1077.1	1142.2	1188.7	1139.4	971.1	945.0	935.7	932.0	933.9
50°	2467.7	1037.1	1106.9	1155.3	983.2	919.0	886.4	883.6	888.3	891.1
52.5°	2305.9	972.0	1046.4	1094.8	911.6	873.4	837.1	843.7	864.1	870.6
55°	2199.8	895.7	966.4	973.9	861.3	830.6	799.9	814.8	853.0	865.0
57.5°	*2171.9*	*814.8*	*875.3*	*866.9*	*797.1*	*793.4*	*774.8*	*787.8*	*836.2*	*853.9*
60°	2163.5	742.3	786.0	779.5	734.8	752.5	747.8	754.4	771.1	776.7
62.5°	2098.4	684.6	706.0	696.7	679.0	709.7	720.9	706.9	719.9	726.5
65°	1932.9	638.1	627.9	621.3	628.8	656.7	679.0	651.1	663.2	681.8
67.5°	1659.4	574.8	546.9	554.4	577.6	592.5	621.3	589.7	600.0	631.6
70°	1342.2	494.8	469.7	491.1	513.4	544.1	548.8	527.4	551.6	586.9
72.5°	949.7	413.9	396.2	440.0	447.4	487.4	477.2	466.9	500.4	512.5
75°	658.5	333.9	323.7	357.2	384.2	418.6	411.1	423.2	493.9	499.5
77.5°	416.7	259.5	253.0	274.4	311.6	349.7	361.8	499.5	843.7	877.1
80°	241.8	193.5	186.0	202.8	235.3	270.7	348.8	613.0	556.2	549.7
82.5°	134.9	133.0	123.7	128.4	157.2	195.3	493.0	431.6	350.7	361.8
85°	63.3	78.1	67.0	64.2	88.4	228.8	329.3	246.5	163.7	160.0
87.5°	16.7	14.9	14.9	16.7	37.2	197.2	131.2	105.1	62.3	60.5
90°	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)