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: P1200781

Luminaire Tested: GPC-SB2D-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:	P1200781
	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-SB2D-827-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 900mA 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:	15085 lumens
Efficiency:	N/A
Efficacy:	102.2 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):	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

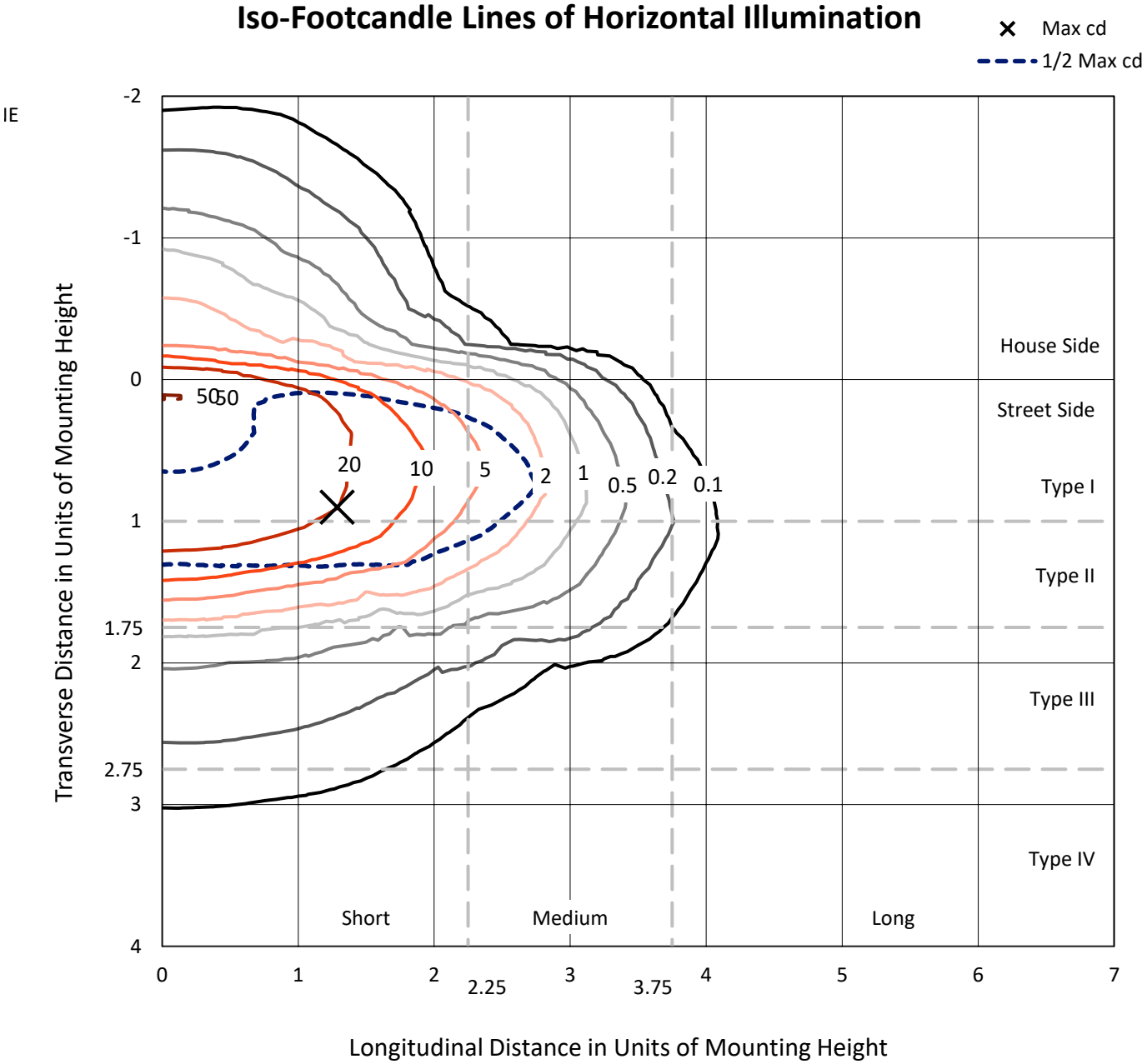


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Iso-Footcandle Lines of Horizontal Illumination



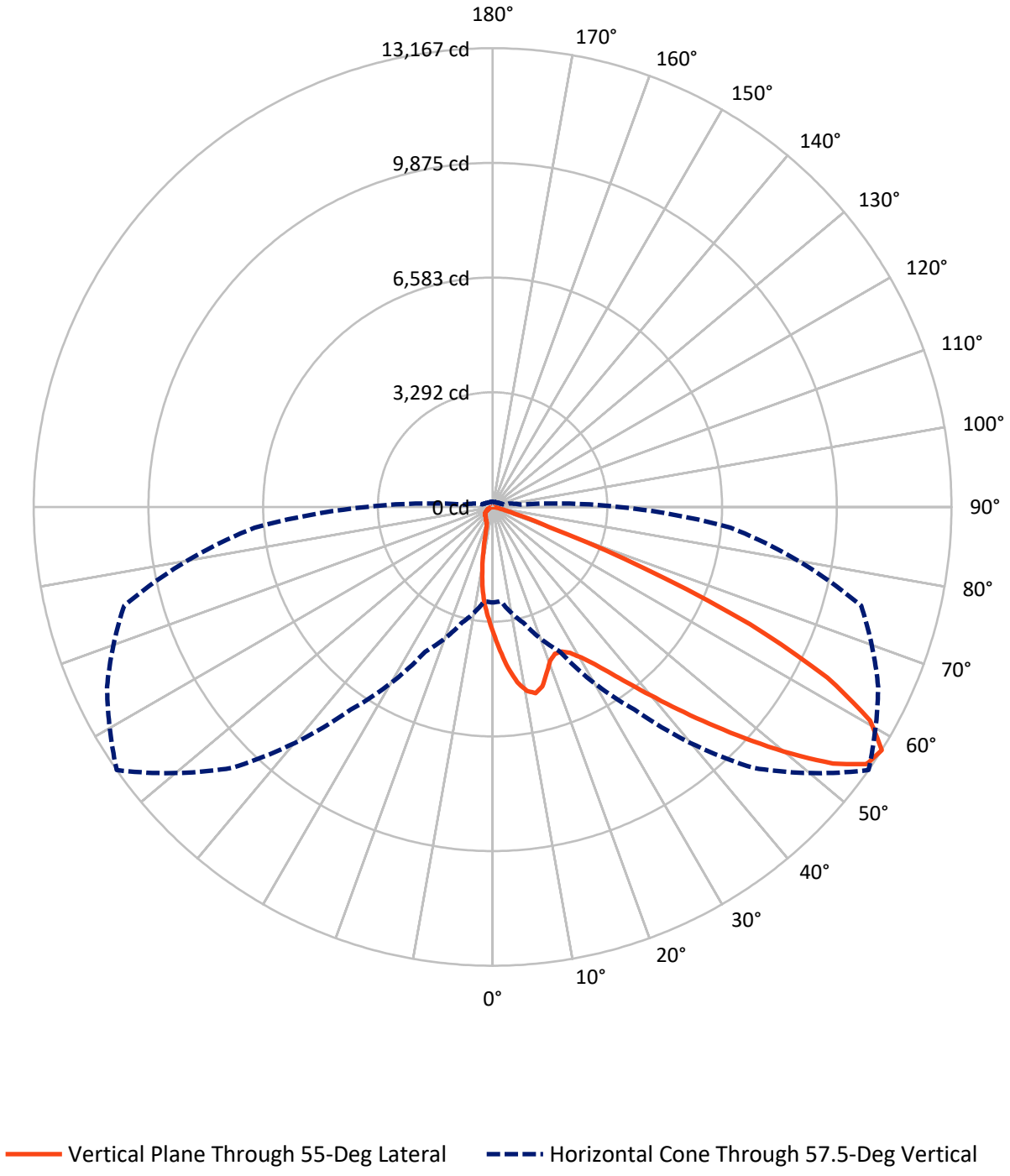
Based on 10 foot mounting height. Maximum calculated value = 52 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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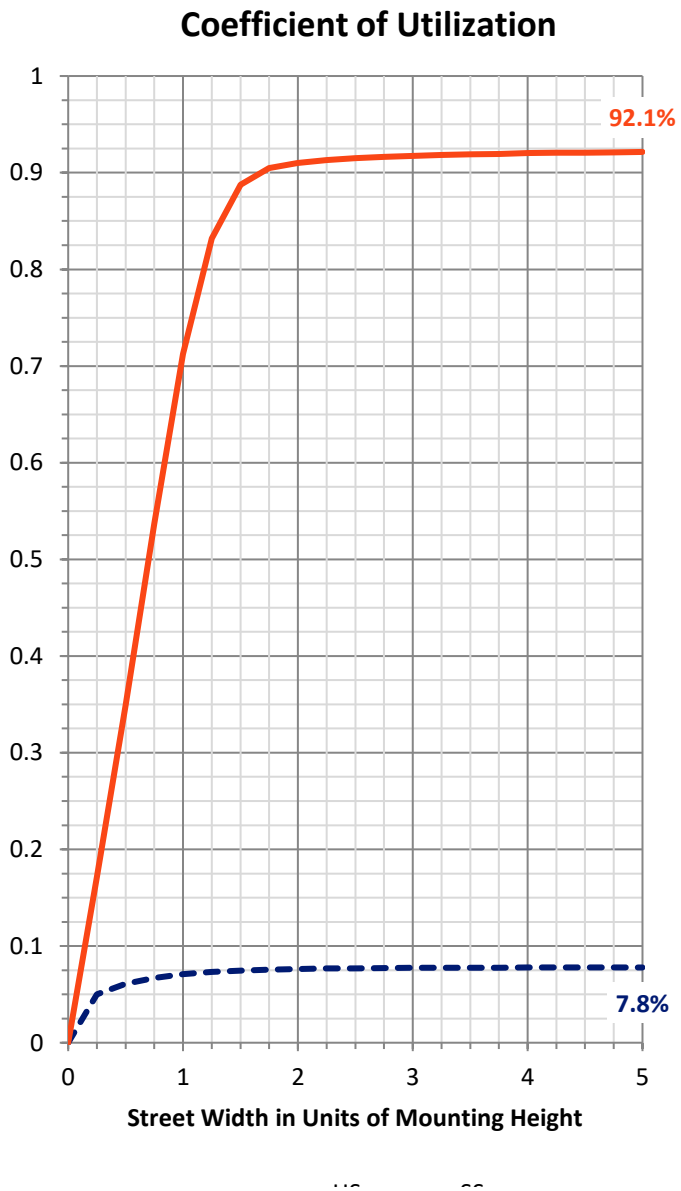
REPORT NUMBER: P1200781
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.1	0.0	1178.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	13906.9	0.0	13906.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	15085.0	0.0	15085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.2	2.2
10°-20°	817.0	5.4
20°-30°	1307.2	8.7
30°-40°	2212.5	14.7
40°-50°	3632.4	24.1
50°-60°	3992.3	26.5
60°-70°	2290.0	15.2
70°-80°	467.9	3.1
80°-90°	27.6	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°	15085.0	100.0
0°-180°	15085.0	100.0



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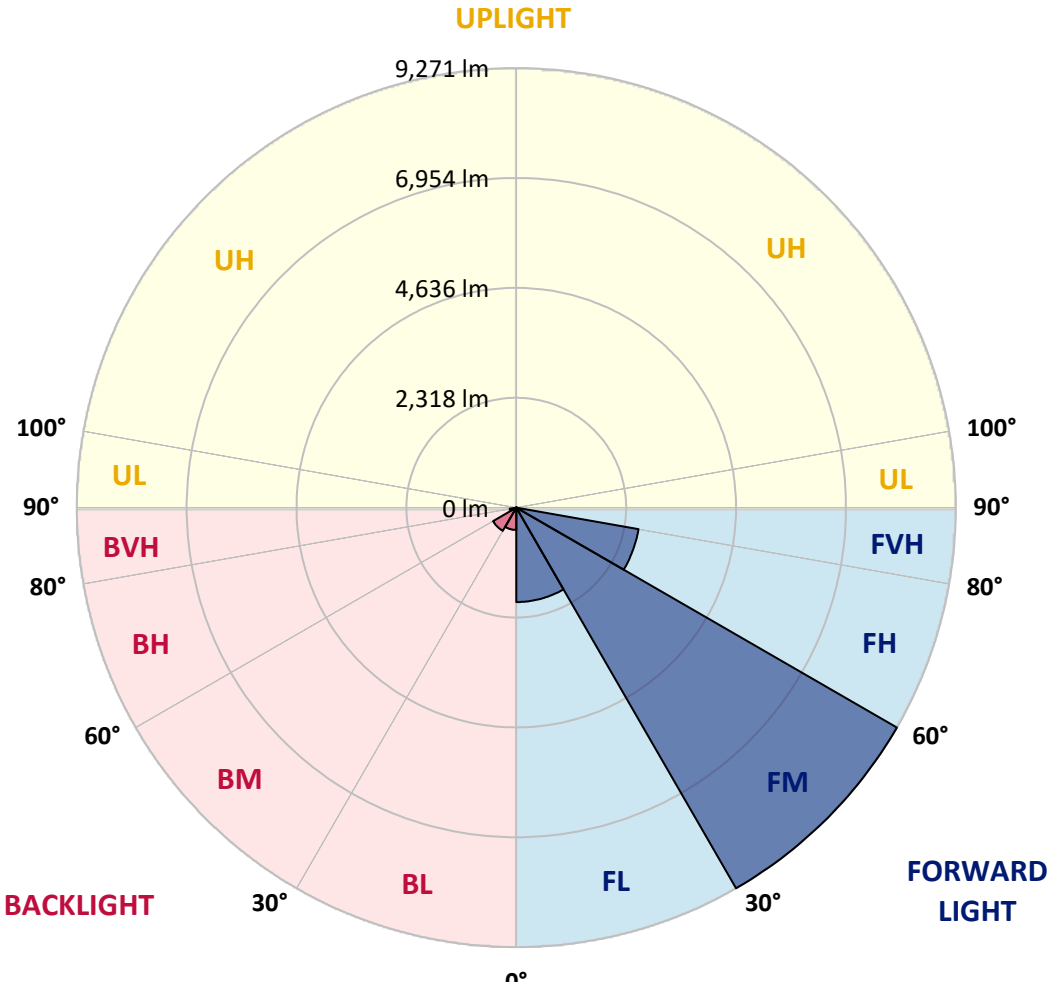
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1992.1	13.2			
FM	(30°-60°)	9271.4	61.5			
FH	(60°-80°)	2617.8	17.4			G2/5000
FVH	(80°-90°)	25.7	0.2			G1/100
BL	(0°-30°)	470.3	3.1	B1/500		
BM	(30°-60°)	565.8	3.8	B1/1000		
BH	(60°-80°)	140.1	0.9	B1/500		G1/500
BVH	(80°-90°)	1.9	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°	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1	*3635.1*	3635.1	3635.1	3635.1	3635.1
2.5°	4510.4	4453.7	4445.3	4434.1	4326.2	4245.3	*4128.1*	3999.7	3855.6	3708.6	3643.5
5°	5210.8	5166.2	5157.8	5105.7	4982.9	4845.3	*4636.9*	4373.7	4104.9	3788.6	3652.8
7.5°	5346.6	5338.3	5376.4	5374.5	5357.8	5249.0	*5073.2*	4759.7	4356.0	3887.2	3677.0
10°	4741.1	4762.5	4876.0	4975.5	5244.3	5400.6	*5362.4*	5103.9	4614.6	3999.7	3703.9
12.5°	4189.5	4164.4	4245.3	4357.9	4670.4	5135.5	*5482.4*	5391.3	4910.4	4127.2	3743.9
15°	3843.5	3833.2	3878.8	3930.9	4169.0	4637.8	*5342.9*	5624.8	5195.0	4277.9	3804.4
17.5°	3732.8	3724.4	3738.4	3751.4	3905.8	4268.6	*5010.8*	5768.0	5467.6	4449.9	3871.4
20°	3823.0	3811.8	3810.0	3799.8	3863.9	4111.4	*4710.4*	5778.2	5712.2	4606.2	3929.0
22.5°	4086.2	4073.2	4027.6	3986.7	3992.3	4132.8	*4576.4*	5675.9	5896.4	4752.3	3965.3
25°	4563.4	4542.0	4447.2	4309.5	4222.1	4281.6	*4596.9*	5541.0	6072.2	4866.7	3947.7
27.5°	5160.6	5132.7	5010.8	4806.2	4606.2	4533.7	*4744.8*	5448.0	6218.2	4954.1	3909.5
30°	5745.7	5709.4	5589.4	5430.3	5138.3	4909.4	*5011.8*	5488.9	6392.1	5045.3	3859.3
32.5°	6377.3	6342.8	6183.8	5986.6	5744.7	5436.9	*5377.3*	5688.9	6605.2	5172.7	3823.9
35°	7176.3	7122.3	6896.3	6627.5	6370.7	6059.1	*5872.2*	6034.0	6888.9	5367.1	3843.5
37.5°	8086.0	8013.4	7769.7	7398.6	7063.7	6714.9	*6474.9*	6508.4	7304.6	5627.5	3903.9
40°	8943.6	8877.6	8652.5	8302.7	7882.3	7459.1	*7203.3*	7128.8	7878.6	5944.7	4010.0
42.5°	9458.0	9398.5	9303.6	9155.7	8801.3	8369.7	*8046.9*	7886.0	8557.6	6324.2	4139.3
45°	9486.8	9434.7	9562.2	9734.3	9664.5	9377.1	*8983.6*	8688.7	9239.4	6680.5	4273.2
47.5°	9025.5	8990.1	9377.1	9978.0	10277.5	10398.4	*10035.6*	9424.5	9802.2	6936.3	4328.1
50°	7767.9	7754.8	8551.1	9654.3	10510.9	11293.2	*11145.3*	10109.1	10238.4	7068.4	4276.0
52.5°	6735.4	6687.9	7152.1	8618.0	10171.4	11763.9	*12229.9*	10780.7	10543.5	7093.5	4154.1
55°	5108.5	5066.6	5648.9	6884.2	9076.6	11596.5	*13023.3*	11473.7	10762.1	7029.3	3935.6
57.5°	*2740.3*	*2714.2*	*3450.0*	*4582.0*	*7095.4*	*10591.9*	*13166.6*	*12206.7*	*10946.3*	*6859.1*	*3629.5*
60°	1066.9	1062.3	1337.6	2223.1	4312.3	8617.1	*12443.8*	12646.6	11061.6	6649.8	3373.7
62.5°	645.5	659.5	704.1	998.1	1905.0	5353.1	*10777.9*	12146.2	11138.8	6458.2	3162.6
65°	533.9	534.8	540.4	685.5	912.5	2239.9	*8113.9*	10499.8	10948.1	6116.8	2863.1
67.5°	457.6	466.0	487.4	544.2	643.7	982.3	*4671.3*	8133.4	9788.2	5322.4	2396.1
70°	360.9	372.1	399.0	447.4	496.7	614.8	*1726.4*	5411.7	7477.7	4011.8	1812.0
72.5°	304.2	303.2	317.2	363.7	394.4	432.5	*664.1*	3032.4	4345.8	1915.2	896.7
75°	235.3	244.6	262.3	304.2	322.8	313.5	*360.0*	1107.8	1557.1	580.4	305.1
77.5°	184.2	191.6	207.4	248.4	267.0	222.3	*207.4*	396.3	500.4	208.4	137.7
80°	82.8	89.3	141.4	183.2	217.7	153.5	*112.6*	202.8	222.3	94.9	69.8
82.5°	14.9	25.1	82.8	96.7	111.6	99.5	*58.6*	105.1	108.8	38.1	24.2
85°	0.9	1.9	28.8	35.3	44.6	32.6	*17.7*	41.9	36.3	13.0	9.3
87.5°	0.0	0.0	0.0	0.9	0.9	4.7	*5.6*	7.4	5.6	4.7	3.7
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°	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1	3635.1
2.5°	3576.5	3444.4	3316.1	3211.0	3149.6	3045.4	2976.6	2965.4	2936.6	2961.7
5°	3507.7	3271.4	3032.4	2818.4	2642.6	2415.7	2246.4	2174.7	2112.4	2133.8
7.5°	3475.1	3102.1	2730.1	2364.5	1988.7	1625.9	1356.2	1243.6	1158.1	1170.2
10°	3431.4	2926.3	2343.1	1785.0	1281.8	923.7	737.6	668.8	630.7	631.6
12.5°	3397.9	2716.1	1893.8	1210.2	780.4	589.7	532.1	515.3	504.2	505.1
15°	3381.2	2468.7	1450.1	806.5	558.1	499.5	485.5	478.1	470.7	469.7
17.5°	3353.3	2193.3	1061.3	588.8	488.3	467.9	455.8	447.4	438.1	436.3
20°	3311.4	1880.8	775.8	497.6	457.6	441.8	425.1	413.9	402.8	400.9
22.5°	3234.2	1550.6	596.2	460.4	435.3	417.6	397.2	384.2	373.0	371.1
25°	3091.0	1240.8	502.3	437.2	415.8	394.4	372.1	354.4	344.2	342.3
27.5°	2909.6	974.8	455.8	415.8	390.7	371.1	346.0	329.3	320.0	318.1
30°	2695.6	750.6	428.8	391.6	360.9	344.2	321.8	307.9	302.3	302.3
32.5°	2465.0	600.0	417.6	367.4	334.9	316.3	298.6	293.0	291.1	290.2
35°	2248.2	520.9	412.1	347.9	311.6	293.9	286.5	287.4	291.1	291.1
37.5°	2055.7	495.8	409.3	333.9	291.1	275.3	280.0	288.4	284.6	284.6
40°	1881.7	498.6	407.4	323.7	274.4	265.1	274.4	267.9	258.6	257.7
42.5°	1748.7	521.8	403.7	315.3	264.2	257.7	253.9	243.7	242.8	244.6
45°	1652.0	542.3	402.8	311.6	253.0	240.9	236.3	226.0	244.6	249.3
47.5°	1537.6	542.3	402.8	298.6	234.4	229.8	222.3	211.1	229.8	234.4
50°	1389.7	507.9	387.0	283.7	219.5	216.7	203.7	189.8	186.0	188.8
52.5°	1202.7	445.6	347.0	263.2	204.6	199.1	183.2	173.0	170.2	170.2
55°	989.7	373.0	293.0	233.5	188.8	178.6	167.4	162.8	160.0	158.1
57.5°	*804.6*	*306.0*	*235.3*	*207.4*	*173.9*	*160.9*	*157.2*	*151.6*	*147.0*	*144.2*
60°	660.4	240.9	194.4	184.2	159.1	147.0	146.0	138.6	126.5	124.6
62.5°	509.7	176.7	163.7	160.0	144.2	133.9	132.1	117.2	98.6	94.9
65°	360.0	137.7	132.1	140.5	128.4	119.1	114.4	92.1	72.6	69.8
67.5°	253.0	115.3	104.2	122.8	111.6	99.5	96.7	78.1	60.5	58.6
70°	180.5	93.9	85.6	105.1	89.3	87.4	81.9	65.1	49.3	47.4
72.5°	127.4	71.6	66.0	91.2	61.4	75.3	67.0	50.2	37.2	35.3
75°	93.9	51.2	46.5	53.0	44.6	56.7	47.4	33.5	23.3	22.3
77.5°	68.8	32.6	27.9	26.0	26.0	35.3	26.0	14.0	10.2	9.3
80°	48.4	14.9	13.0	11.2	10.2	8.4	3.7	1.9	0.9	0.9
82.5°	28.8	6.5	6.5	4.7	2.8	0.0	0.0	0.0	0.0	0.0
85°	6.5	2.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	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


HS
SS

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(END OF REPORT)