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: P1200669

Luminaire Tested: GPC-SB2D-735-U-AFL-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200669
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-735-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 70 CRI, 3500K, 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:	17348 lumens
Efficiency:	N/A
Efficacy:	117.5 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

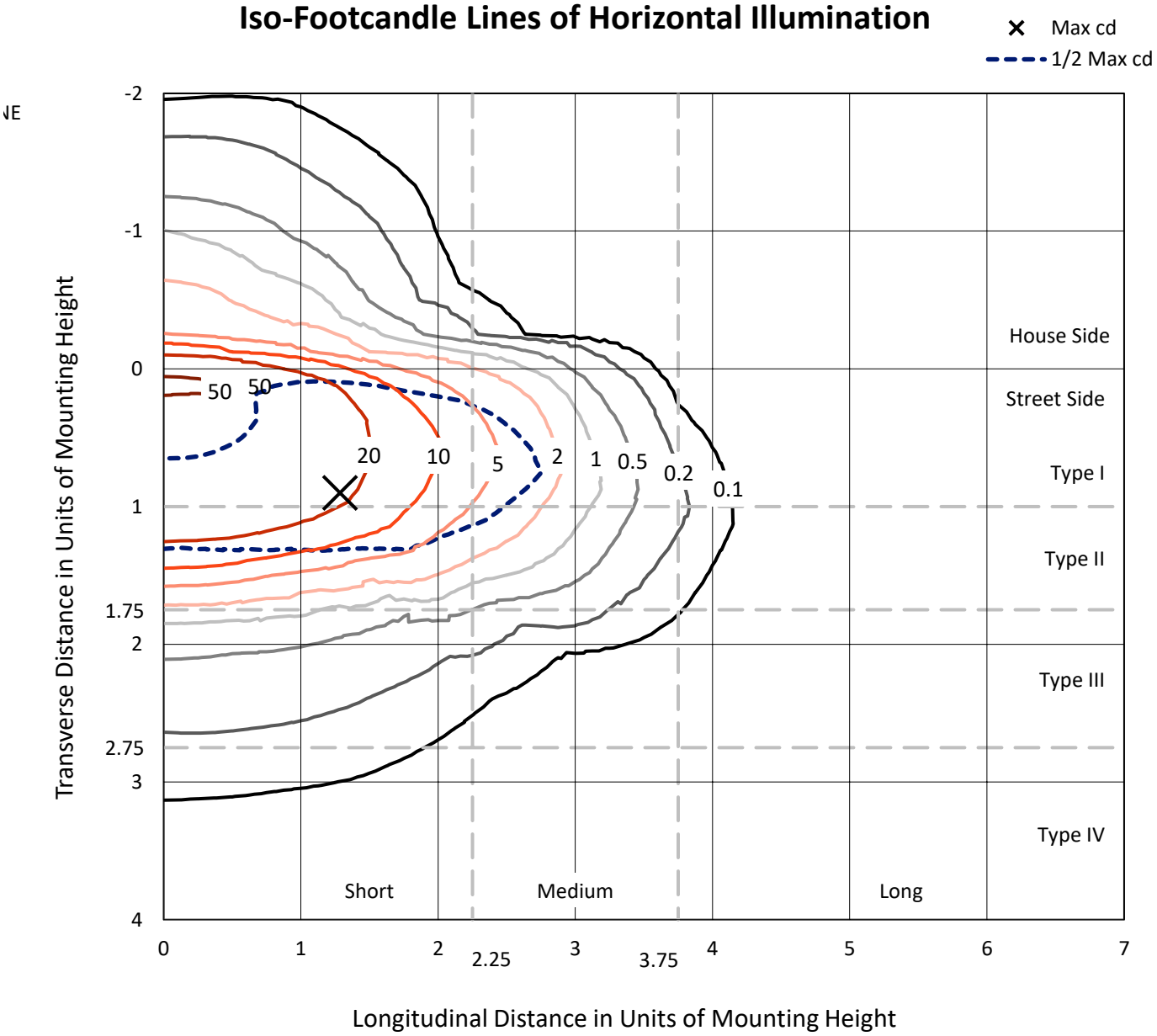


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Iso-Footcandle Lines of Horizontal Illumination



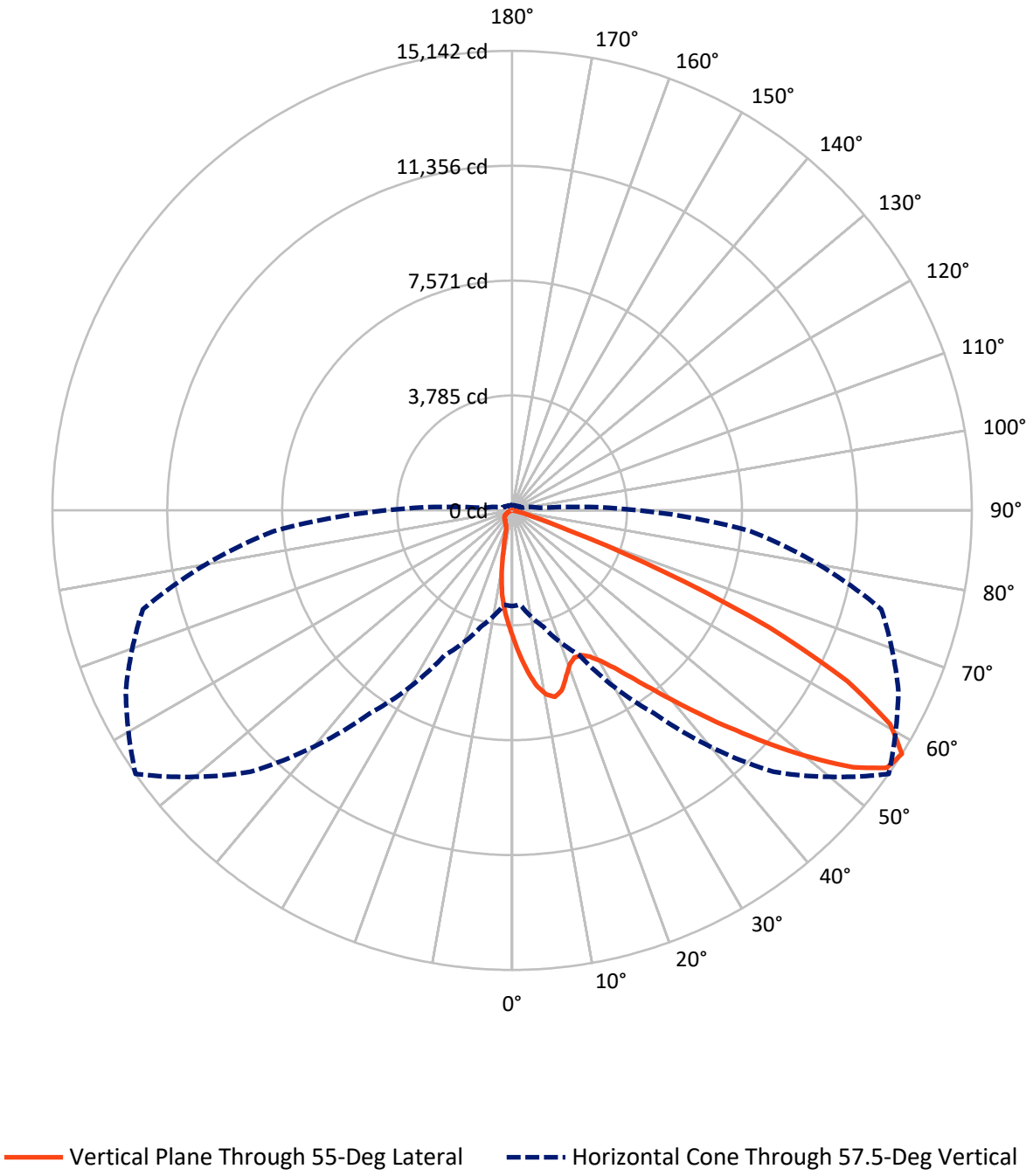
Based on 10 foot mounting height. Maximum calculated value = 59.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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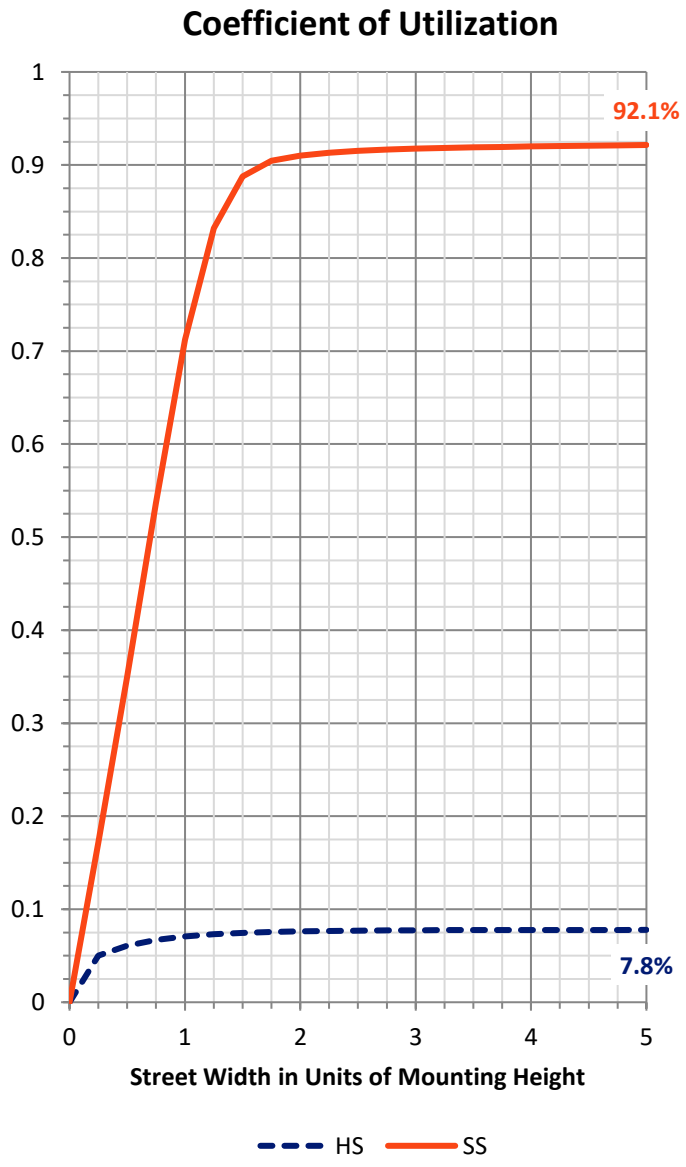
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1354.8	0.0	1354.8
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	15993.2	0.0	15993.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	17348.0	0.0	17348.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.0	2.2
10°-20°	939.6	5.4
20°-30°	1503.3	8.7
30°-40°	2544.4	14.7
40°-50°	4177.3	24.1
50°-60°	4591.2	26.5
60°-70°	2633.5	15.2
70°-80°	538.1	3.1
80°-90°	31.7	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°	17348.0	100.0
0°-180°	17348.0	100.0



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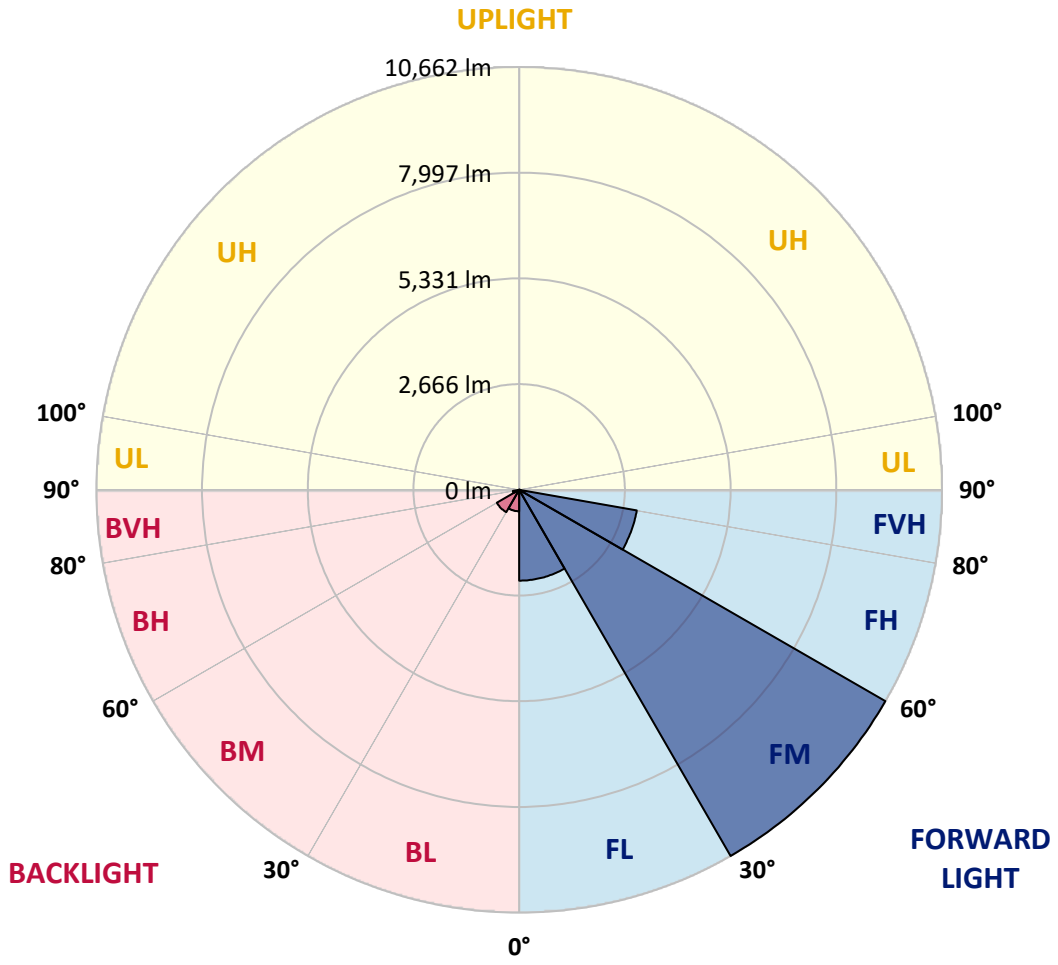
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2290.9	13.2			
FM	(30°-60°)	10662.2	61.5			
FH	(60°-80°)	3010.5	17.4			G2/5000
FVH	(80°-90°)	29.6	0.2			G1/100
BL	(0°-30°)	540.9	3.1	B2/1000		
BM	(30°-60°)	650.7	3.8	B1/1000		
BH	(60°-80°)	161.1	0.9	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
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°	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4	*4180.4*	4180.4	4180.4	4180.4	4180.4
2.5°	5187.0	5121.8	5112.2	5099.3	4975.2	4882.2	*4747.4*	4599.8	4434.0	4264.9	4190.1
5°	5992.5	5941.2	5931.6	5871.7	5730.5	5572.1	*5332.5*	5029.8	4720.6	4356.9	4200.8
7.5°	6148.7	6139.1	6182.9	6180.8	6161.5	6036.4	*5834.2*	5473.7	5009.5	4470.3	4228.6
10°	5452.3	5476.9	5607.4	5721.9	6031.0	6210.8	*6166.9*	5869.5	5306.8	4599.8	4259.6
12.5°	4818.0	4789.1	4882.2	5011.6	5371.0	5905.9	*6304.9*	6200.1	5647.0	4746.3	4305.6
15°	4420.1	4408.3	4460.7	4520.6	4794.5	5333.6	*6144.4*	6468.6	5974.4	4919.6	4375.1
17.5°	4292.8	4283.1	4299.2	4314.2	4491.7	4908.9	*5762.5*	6633.3	6287.8	5117.5	4452.1
20°	4396.5	4383.7	4381.5	4369.8	4443.6	4728.1	*5417.0*	6645.1	6569.1	5297.2	4518.5
22.5°	4699.3	4684.3	4631.9	4584.8	4591.2	4752.7	*5263.0*	6527.4	6780.9	5465.2	4560.2
25°	5248.0	5223.4	5114.3	4956.0	4855.4	4923.9	*5286.5*	6372.3	6983.1	5596.7	4539.9
27.5°	5934.8	5902.7	5762.5	5527.2	5297.2	5213.8	*5456.6*	6265.3	7151.0	5697.3	4496.0
30°	6607.6	6565.9	6427.9	6245.0	5909.1	5645.9	*5763.6*	6312.4	7351.1	5802.1	4438.2
32.5°	7334.0	7294.4	7111.5	6884.7	6606.6	6252.5	*6184.0*	6542.4	7596.0	5948.7	4397.6
35°	8252.8	8190.8	7930.9	7621.7	7326.5	6968.1	*6753.1*	6939.2	7922.3	6172.2	4420.1
37.5°	9299.0	9215.6	8935.3	8508.5	8123.4	7722.3	*7446.3*	7484.8	8400.5	6471.8	4489.6
40°	10285.3	10209.3	9950.5	9548.3	9064.8	8578.0	*8283.9*	8198.3	9060.5	6836.5	4611.5
42.5°	10876.8	10808.4	10699.3	10529.2	10121.6	9625.3	*9254.1*	9069.0	9841.4	7273.0	4760.2
45°	10910.0	10850.1	10996.7	11194.6	11114.3	10783.8	*10331.3*	9992.2	10625.5	7682.7	4914.3
47.5°	10379.4	10338.8	10783.8	11474.8	11819.3	11958.3	*11541.1*	10838.3	11272.6	7976.9	4977.4
50°	8933.2	8918.2	9833.9	11102.6	12087.8	12987.4	*12817.3*	11625.6	11774.3	8128.8	4917.5
52.5°	7745.8	7691.2	8225.0	9910.9	11697.3	13528.7	*14064.6*	12398.0	12125.2	8157.6	4777.3
55°	5874.9	5826.7	6496.4	7916.9	10438.3	13336.1	*14977.1*	13194.9	12376.6	8083.8	4526.0
57.5°	*3151.4*	*3121.4*	*3967.6*	*5269.4*	*8159.8*	*12180.8*	*15141.8*	*14037.9*	*12588.4*	*7888.1*	*4174.0*
60°	1227.0	1221.6	1538.2	2556.6	4959.2	9909.8	*14310.6*	14543.8	12721.0	7647.4	3879.9
62.5°	742.4	758.4	809.8	1147.8	2190.8	6156.2	*12394.8*	13968.3	12809.8	7427.0	3637.0
65°	614.0	615.1	621.5	788.4	1049.4	2575.9	*9331.1*	12074.9	12590.5	7034.4	3292.6
67.5°	526.3	535.9	560.5	625.8	740.2	1129.6	*5372.1*	9353.6	11256.6	6120.9	2755.6
70°	415.0	427.9	458.9	514.5	571.2	707.1	*1985.4*	6223.6	8599.4	4613.7	2083.8
72.5°	349.8	348.7	364.8	418.3	453.6	497.4	*763.8*	3487.3	4997.7	2202.5	1031.2
75°	270.6	281.3	301.7	349.8	371.2	360.5	*414.0*	1274.0	1790.7	667.5	350.9
77.5°	211.8	220.4	238.5	285.6	307.0	255.7	*238.5*	455.7	575.5	239.6	158.3
80°	95.2	102.7	162.6	210.7	250.3	176.5	*129.4*	233.2	255.7	109.1	80.2
82.5°	17.1	28.9	95.2	111.3	128.4	114.5	*67.4*	120.9	125.2	43.9	27.8
85°	1.1	2.1	33.2	40.6	51.3	37.4	*20.3*	48.1	41.7	15.0	10.7
87.5°	0.0	0.0	0.0	1.1	1.1	5.3	*6.4*	8.6	6.4	5.3	4.3
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°	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4	4180.4
2.5°	4113.0	3961.1	3813.5	3692.7	3622.0	3502.2	3423.1	3410.2	3377.1	3406.0
5°	4033.9	3762.2	3487.3	3241.2	3039.1	2778.0	2583.4	2501.0	2429.3	2453.9
7.5°	3996.4	3567.5	3139.6	2719.2	2287.0	1869.9	1559.6	1430.2	1331.8	1345.7
10°	3946.2	3365.3	2694.6	2052.8	1474.1	1062.2	848.3	769.1	725.3	726.3
12.5°	3907.7	3123.6	2177.9	1391.7	897.5	678.2	611.9	592.6	579.8	580.9
15°	3888.4	2839.0	1667.7	927.4	641.8	574.4	558.4	549.8	541.3	540.2
17.5°	3856.3	2522.4	1220.5	677.1	561.6	538.1	524.2	514.5	503.8	501.7
20°	3808.2	2163.0	892.1	572.3	526.3	508.1	488.9	476.0	463.2	461.0
22.5°	3719.4	1783.2	685.7	529.5	500.6	480.3	456.8	441.8	429.0	426.8
25°	3554.7	1427.0	577.6	502.8	478.2	453.6	427.9	407.6	395.8	393.7
27.5°	3346.1	1121.1	524.2	478.2	449.3	426.8	397.9	378.7	368.0	365.8
30°	3100.0	863.3	493.1	450.3	415.0	395.8	370.1	354.1	347.7	347.7
32.5°	2834.7	690.0	480.3	422.5	385.1	363.7	343.4	337.0	334.8	333.8
35°	2585.5	599.0	473.9	400.1	358.4	338.0	329.5	330.5	334.8	334.8
37.5°	2364.1	570.2	470.7	384.0	334.8	316.6	322.0	331.6	327.3	327.3
40°	2164.0	573.4	468.5	372.3	315.6	304.9	315.6	308.1	297.4	296.3
42.5°	2011.1	600.1	464.3	362.6	303.8	296.3	292.0	280.3	279.2	281.3
45°	1899.8	623.6	463.2	358.4	291.0	277.1	271.7	259.9	281.3	286.7
47.5°	1768.2	623.6	463.2	343.4	269.6	264.2	255.7	242.8	264.2	269.6
50°	1598.2	584.1	445.0	326.3	252.5	249.2	234.3	218.2	213.9	217.2
52.5°	1383.1	512.4	399.0	302.7	235.3	228.9	210.7	199.0	195.8	195.8
55°	1138.2	429.0	337.0	268.5	217.2	205.4	192.5	187.2	184.0	181.9
57.5°	*925.3*	*351.9*	*270.6*	*238.5*	*200.0*	*185.1*	*180.8*	*174.4*	*169.0*	*165.8*
60°	759.5	277.1	223.6	211.8	182.9	169.0	167.9	159.4	145.5	143.3
62.5°	586.2	203.2	188.3	184.0	165.8	154.0	151.9	134.8	113.4	109.1
65°	414.0	158.3	151.9	161.5	147.6	136.9	131.6	105.9	83.4	80.2
67.5°	291.0	132.6	119.8	141.2	128.4	114.5	111.3	89.9	69.5	67.4
70°	207.5	108.0	98.4	120.9	102.7	100.6	94.1	74.9	56.7	54.6
72.5°	146.6	82.4	75.9	104.8	70.6	86.6	77.0	57.8	42.8	40.6
75°	108.0	58.8	53.5	61.0	51.3	65.3	54.6	38.5	26.7	25.7
77.5°	79.2	37.4	32.1	30.0	30.0	40.6	30.0	16.0	11.8	10.7
80°	55.6	17.1	15.0	12.8	11.8	9.6	4.3	2.1	1.1	1.1
82.5°	33.2	7.5	7.5	5.3	3.2	0.0	0.0	0.0	0.0	0.0
85°	7.5	3.2	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	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

(END OF REPORT)