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: P1199241

Luminaire Tested: GPC-SB2A-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:	P1199241
	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-SB2A-735-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 70 CRI, 3500K, 350mA 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:	7647 lumens
Efficiency:	N/A
Efficacy:	133.5 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):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

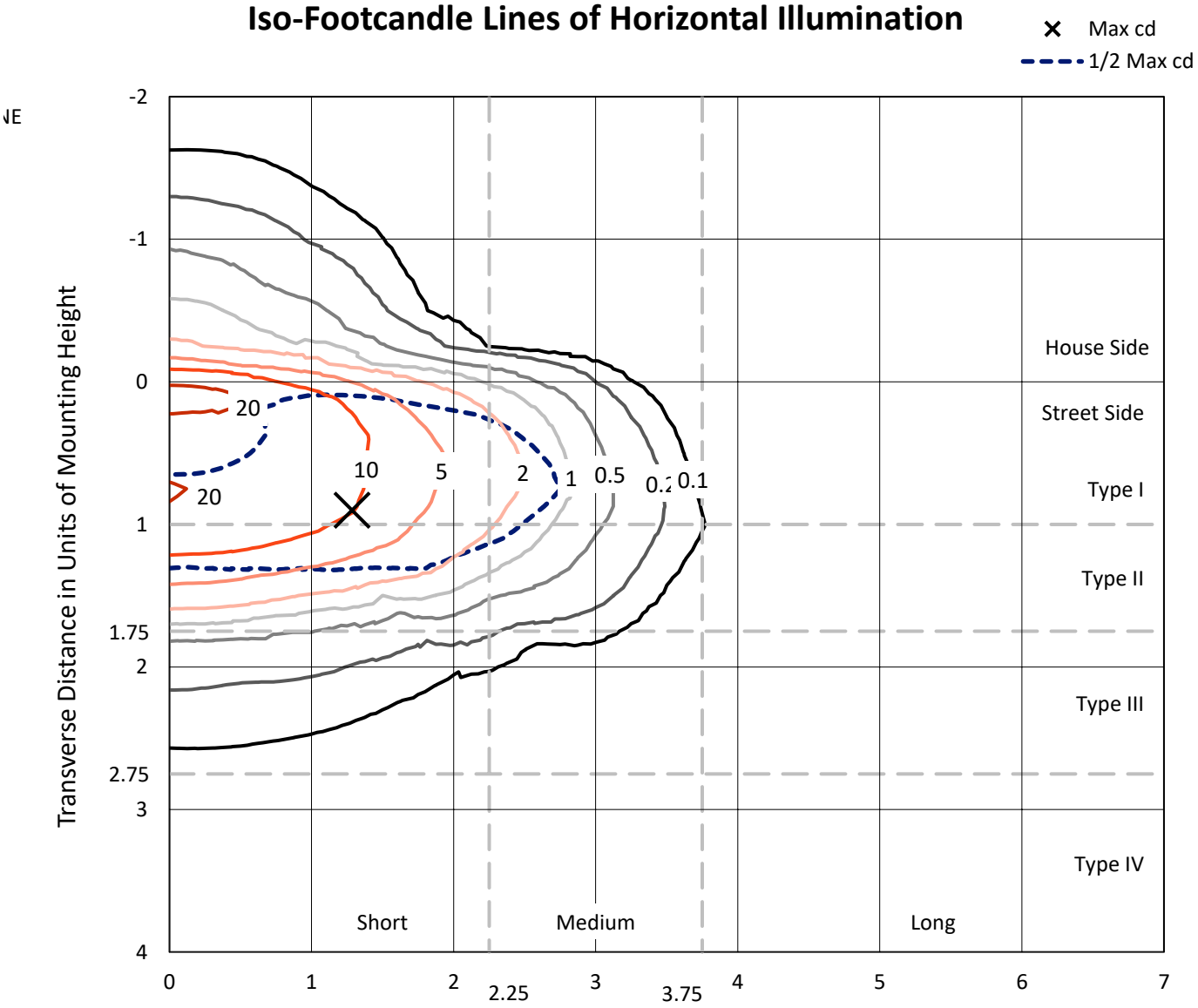


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Iso-Footcandle Lines of Horizontal Illumination



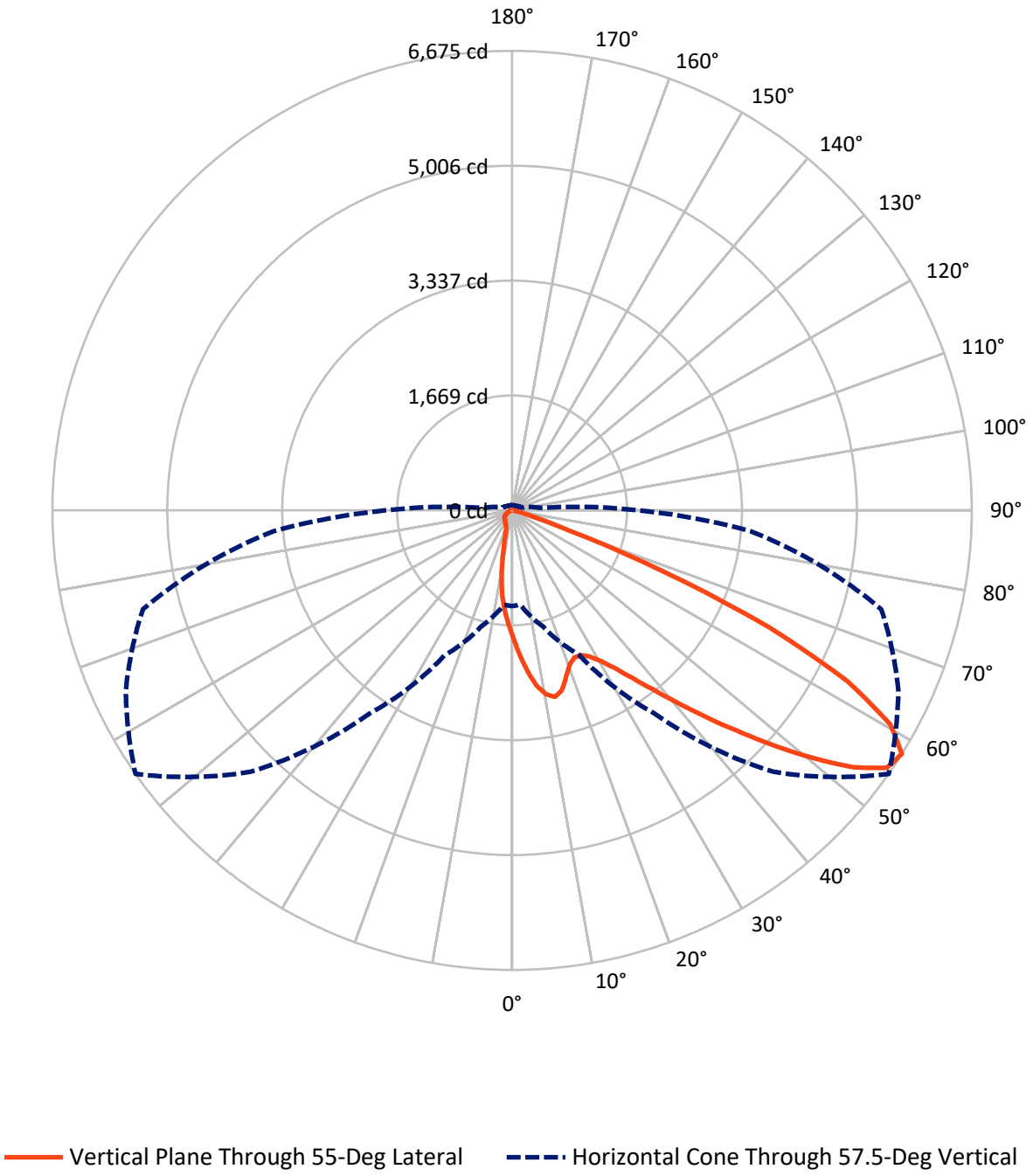
Based on 10 foot mounting height. Maximum calculated value = 26.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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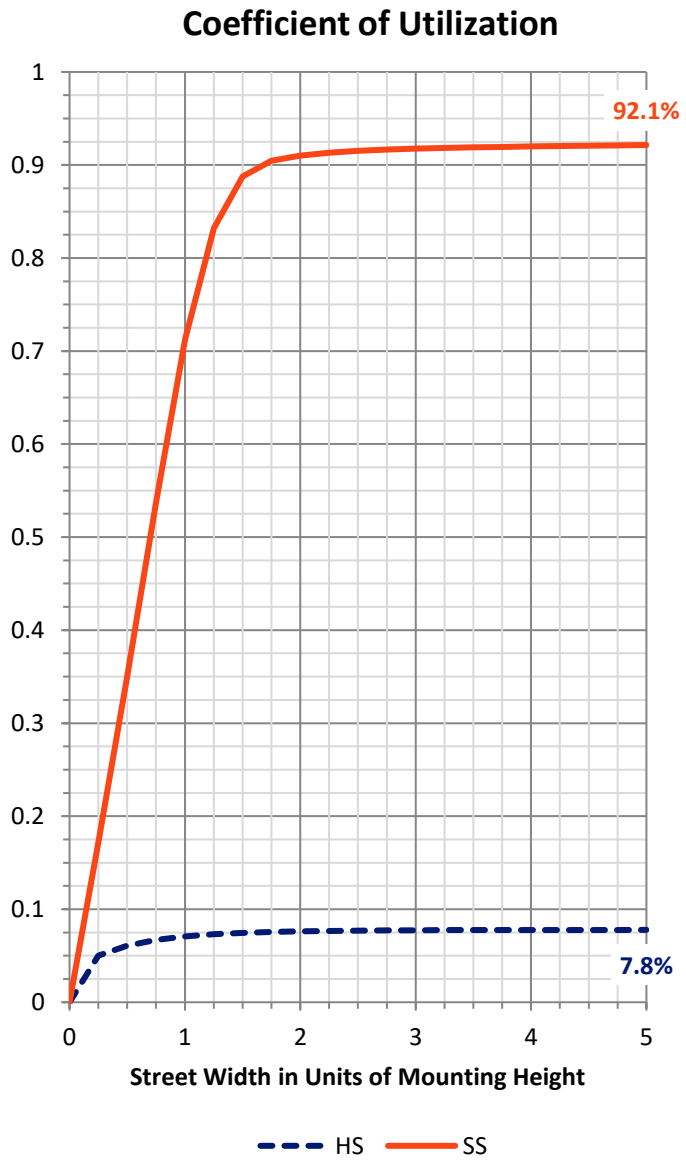
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.2	0.0	597.2
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	7049.8	0.0	7049.8
	% Fixture	92.2	0.0	92.2
Total	Lumens	7647.0	0.0	7647.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.5	2.2
10°-20°	414.2	5.4
20°-30°	662.6	8.7
30°-40°	1121.6	14.7
40°-50°	1841.4	24.1
50°-60°	2023.8	26.5
60°-70°	1160.9	15.2
70°-80°	237.2	3.1
80°-90°	14.0	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°	7647.0	100.0
0°-180°	7647.0	100.0



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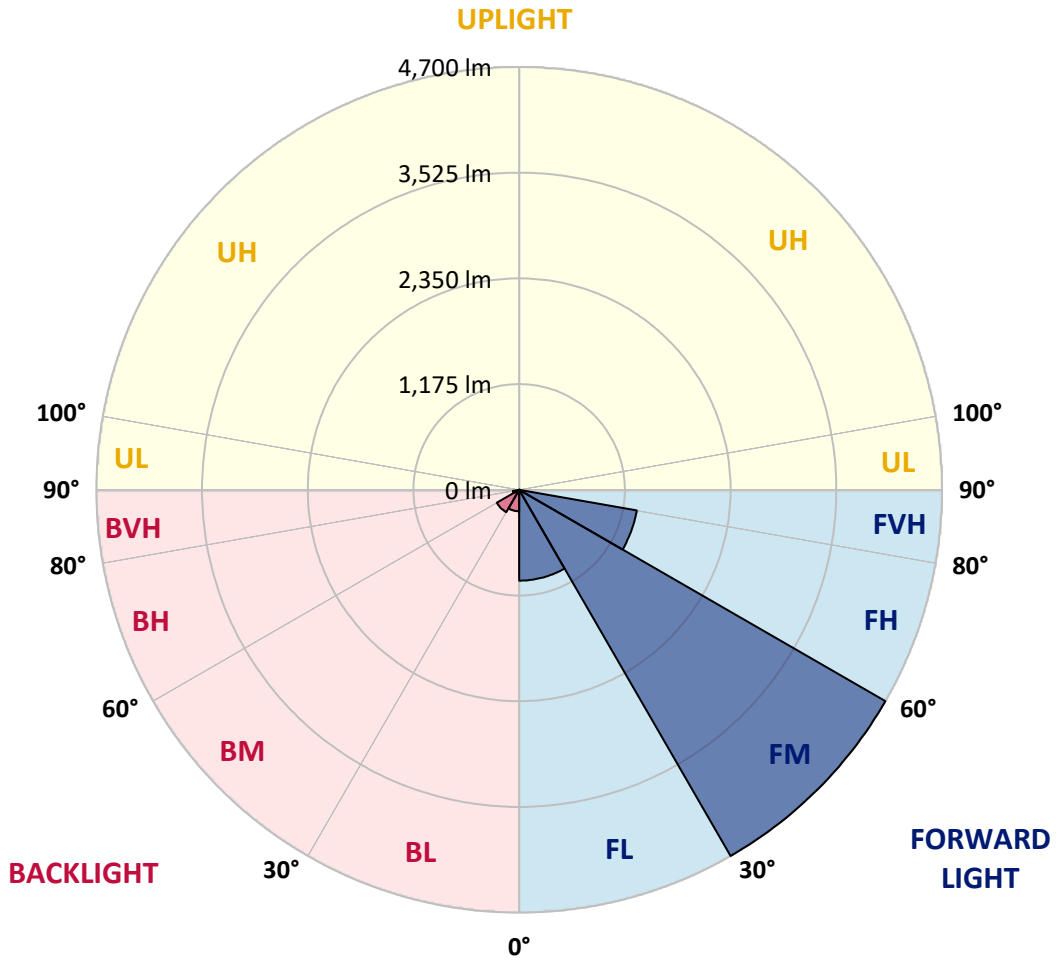
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1009.8	13.2			
FM	(30°-60°)	4699.9	61.5			
FH	(60°-80°)	1327.0	17.4			G1/1800
FVH	(80°-90°)	13.1	0.2			G1/100
BL	(0°-30°)	238.4	3.1	B1/500		
BM	(30°-60°)	286.8	3.8	B1/1000		
BH	(60°-80°)	71.0	0.9	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	*1842.7*	1842.7	1842.7	1842.7	1842.7
2.5°	2286.4	2257.7	2253.4	2247.8	2193.1	2152.1	*2092.6*	2027.6	1954.5	1880.0	1847.0
5°	2641.5	2618.9	2614.6	2588.2	2526.0	2456.2	*2350.6*	2217.1	2080.9	1920.5	1851.7
7.5°	2710.4	2706.1	2725.4	2724.5	2716.0	2660.8	*2571.7*	2412.8	2208.2	1970.5	1864.0
10°	2403.4	2414.2	2471.8	2522.2	2658.5	2737.7	*2718.4*	2587.3	2339.3	2027.6	1877.6
12.5°	2123.8	2111.0	2152.1	2209.1	2367.6	2603.3	*2779.2*	2733.0	2489.2	2092.2	1897.9
15°	1948.4	1943.2	1966.3	1992.7	2113.4	2351.0	*2708.5*	2851.3	2633.5	2168.6	1928.6
17.5°	1892.2	1888.0	1895.1	1901.7	1980.0	2163.9	*2540.1*	2924.0	2771.7	2255.8	1962.5
20°	1938.0	1932.3	1931.4	1926.2	1958.7	2084.2	*2387.8*	2929.1	2895.7	2335.0	1991.7
22.5°	2071.4	2064.8	2041.7	2021.0	2023.8	2095.0	*2319.9*	2877.3	2989.0	2409.0	2010.1
25°	2313.3	2302.5	2254.4	2184.6	2140.3	2170.5	*2330.3*	2808.9	3078.1	2467.0	2001.2
27.5°	2616.0	2601.9	2540.1	2436.4	2335.0	2298.2	*2405.3*	2761.8	3152.2	2511.4	1981.8
30°	2912.6	2894.3	2833.4	2752.8	2604.7	2488.7	*2540.6*	2782.5	3240.4	2557.6	1956.4
32.5°	3232.8	3215.4	3134.7	3034.8	2912.2	2756.1	*2725.9*	2883.9	3348.3	2622.2	1938.5
35°	3637.9	3610.5	3495.9	3359.6	3229.5	3071.5	*2976.8*	3058.8	3492.1	2720.7	1948.4
37.5°	4099.0	4062.2	3938.7	3750.5	3580.8	3404.0	*3282.3*	3299.3	3702.9	2852.8	1979.0
40°	4533.8	4500.3	4386.2	4208.9	3995.7	3781.2	*3651.5*	3613.8	3993.9	3013.5	2032.8
42.5°	4794.5	4764.3	4716.2	4641.3	4461.6	4242.8	*4079.2*	3997.6	4338.1	3205.9	2098.3
45°	4809.1	4782.7	4847.3	4934.6	4899.2	4753.5	*4554.0*	4404.6	4683.7	3386.5	2166.2
47.5°	4575.3	4557.3	4753.5	5058.1	5209.9	5271.2	*5087.3*	4777.5	4969.0	3516.2	2194.0
50°	3937.7	3931.1	4334.8	4894.0	5328.3	5724.8	*5649.9*	5124.6	5190.1	3583.2	2167.6
52.5°	3414.3	3390.3	3625.6	4368.7	5156.2	5963.4	*6199.7*	5465.0	5344.8	3595.9	2105.9
55°	2589.6	2568.4	2863.6	3489.8	4601.2	5878.6	*6601.9*	5816.3	5455.6	3563.4	1995.0
57.5°	*1389.1*	*1375.9*	*1748.9*	*2322.8*	*3596.8*	*5369.3*	*6674.5*	*6187.9*	*5549.0*	*3477.1*	*1839.9*
60°	540.8	538.5	678.1	1127.0	2186.0	4368.3	*6308.1*	6410.9	5607.4	3371.0	1710.2
62.5°	327.2	334.3	356.9	506.0	965.7	2713.7	*5463.6*	6157.2	5646.6	3273.8	1603.2
65°	270.7	271.1	274.0	347.5	462.6	1135.4	*4113.2*	5322.6	5549.9	3100.8	1451.4
67.5°	232.0	236.2	247.1	275.8	326.3	497.9	*2368.0*	4123.1	4961.9	2698.1	1214.7
70°	183.0	188.6	202.3	226.8	251.8	311.7	*875.2*	2743.4	3790.6	2033.7	918.5
72.5°	154.2	153.7	160.8	184.4	199.9	219.3	*336.7*	1537.2	2203.0	970.9	454.6
75°	119.3	124.0	133.0	154.2	163.6	158.9	*182.5*	561.6	789.3	294.2	154.7
77.5°	93.4	97.1	105.2	125.9	135.3	112.7	*105.2*	200.9	253.7	105.6	69.8
80°	42.0	45.3	71.7	92.9	110.3	77.8	*57.1*	102.8	112.7	48.1	35.4
82.5°	7.5	12.7	42.0	49.0	56.6	50.5	*29.7*	53.3	55.2	19.3	12.3
85°	0.5	0.9	14.6	17.9	22.6	16.5	*9.0*	21.2	18.4	6.6	4.7
87.5°	0.0	0.0	0.0	0.5	0.5	2.4	*2.8*	3.8	2.8	2.4	1.9
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°	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7
2.5°	1813.0	1746.1	1681.0	1627.7	1596.6	1543.8	1508.9	1503.2	1488.6	1501.4
5°	1778.1	1658.4	1537.2	1428.7	1339.6	1224.6	1138.7	1102.4	1070.8	1081.7
7.5°	1761.6	1572.6	1383.9	1198.6	1008.1	824.2	687.5	630.4	587.1	593.2
10°	1739.5	1483.4	1187.8	904.9	649.8	468.2	373.9	339.0	319.7	320.2
12.5°	1722.5	1376.9	960.0	613.5	395.6	298.9	269.7	261.2	255.6	256.0
15°	1714.0	1251.4	735.1	408.8	282.9	253.2	246.1	242.4	238.6	238.1
17.5°	1699.9	1111.9	538.0	298.5	247.6	237.2	231.0	226.8	222.1	221.1
20°	1678.6	953.4	393.3	252.3	232.0	224.0	215.5	209.8	204.2	203.2
22.5°	1639.5	786.0	302.3	233.4	220.7	211.7	201.3	194.7	189.1	188.1
25°	1566.9	629.0	254.6	221.6	210.8	199.9	188.6	179.7	174.5	173.5
27.5°	1474.9	494.2	231.0	210.8	198.0	188.1	175.4	166.9	162.2	161.3
30°	1366.5	380.5	217.4	198.5	183.0	174.5	163.1	156.1	153.2	153.2
32.5°	1249.6	304.1	211.7	186.3	169.8	160.3	151.4	148.5	147.6	147.1
35°	1139.7	264.1	208.9	176.4	158.0	149.0	145.2	145.7	147.6	147.6
37.5°	1042.1	251.3	207.5	169.3	147.6	139.6	141.9	146.2	144.3	144.3
40°	953.9	252.7	206.5	164.1	139.1	134.4	139.1	135.8	131.1	130.6
42.5°	886.5	264.5	204.6	159.8	133.9	130.6	128.7	123.5	123.1	124.0
45°	837.4	274.9	204.2	158.0	128.3	122.1	119.8	114.6	124.0	126.4
47.5°	779.4	274.9	204.2	151.4	118.8	116.5	112.7	107.0	116.5	118.8
50°	704.5	257.5	196.2	143.8	111.3	109.9	103.3	96.2	94.3	95.7
52.5°	609.7	225.9	175.9	133.4	103.7	100.9	92.9	87.7	86.3	86.3
55°	501.7	189.1	148.5	118.4	95.7	90.5	84.9	82.5	81.1	80.2
57.5°	*407.9*	*155.1*	*119.3*	*105.2*	*88.2*	*81.6*	*79.7*	*76.9*	*74.5*	*73.1*
60°	334.8	122.1	98.5	93.4	80.6	74.5	74.0	70.3	64.1	63.2
62.5°	258.4	89.6	83.0	81.1	73.1	67.9	67.0	59.4	50.0	48.1
65°	182.5	69.8	67.0	71.2	65.1	60.4	58.0	46.7	36.8	35.4
67.5°	128.3	58.5	52.8	62.2	56.6	50.5	49.0	39.6	30.6	29.7
70°	91.5	47.6	43.4	53.3	45.3	44.3	41.5	33.0	25.0	24.0
72.5°	64.6	36.3	33.5	46.2	31.1	38.2	34.0	25.5	18.9	17.9
75°	47.6	25.9	23.6	26.9	22.6	28.8	24.0	17.0	11.8	11.3
77.5°	34.9	16.5	14.1	13.2	13.2	17.9	13.2	7.1	5.2	4.7
80°	24.5	7.5	6.6	5.7	5.2	4.2	1.9	0.9	0.5	0.5
82.5°	14.6	3.3	3.3	2.4	1.4	0.0	0.0	0.0	0.0	0.0
85°	3.3	1.4	1.4	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

(END OF REPORT)