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: P1199242

Luminaire Tested: GPC-SB2A-735-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:	P1199242
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2A-735-U-AFL
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLIN OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9121 lumens
Efficiency:	N/A
Efficacy:	159.2 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

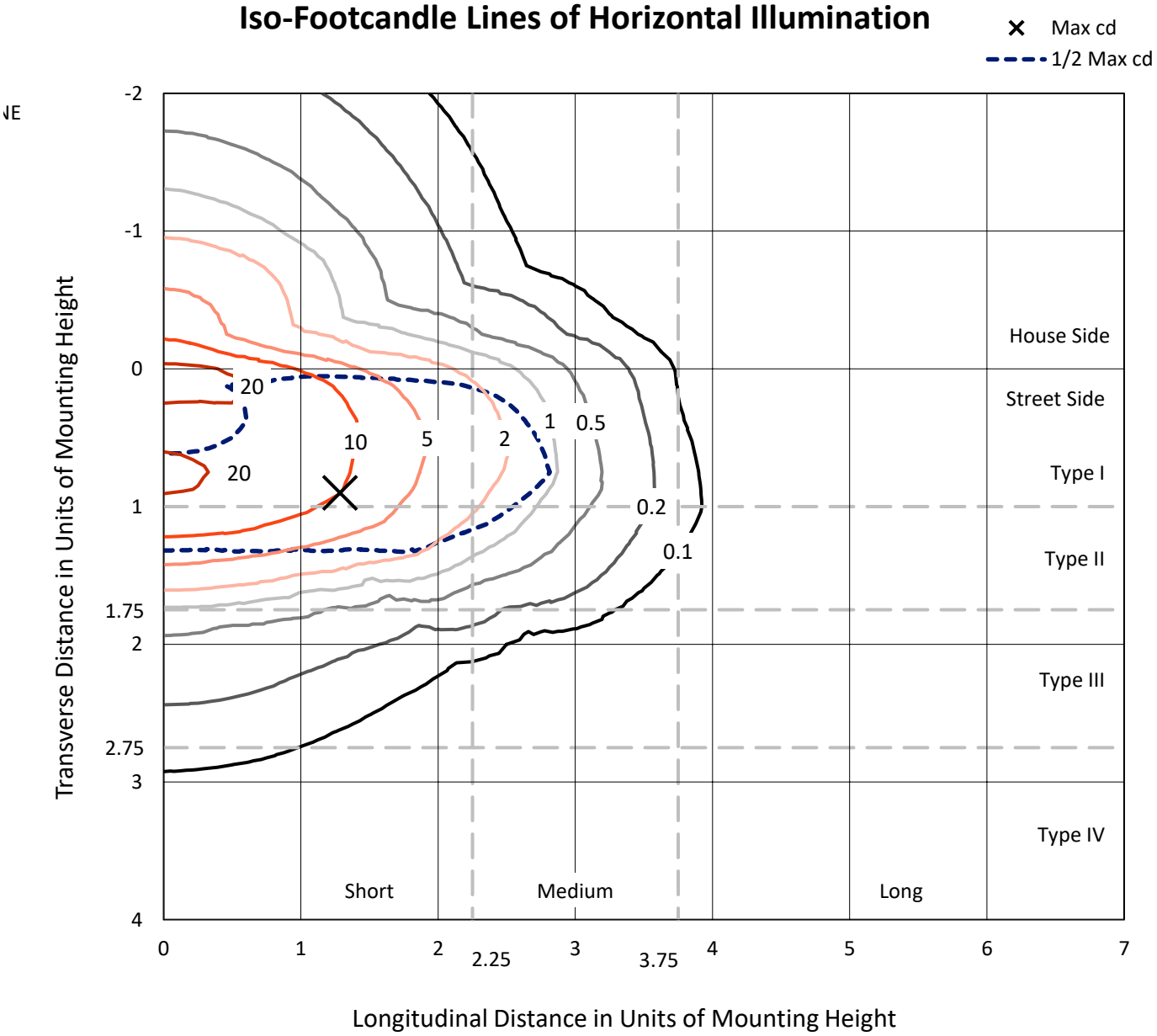


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Iso-Footcandle Lines of Horizontal Illumination



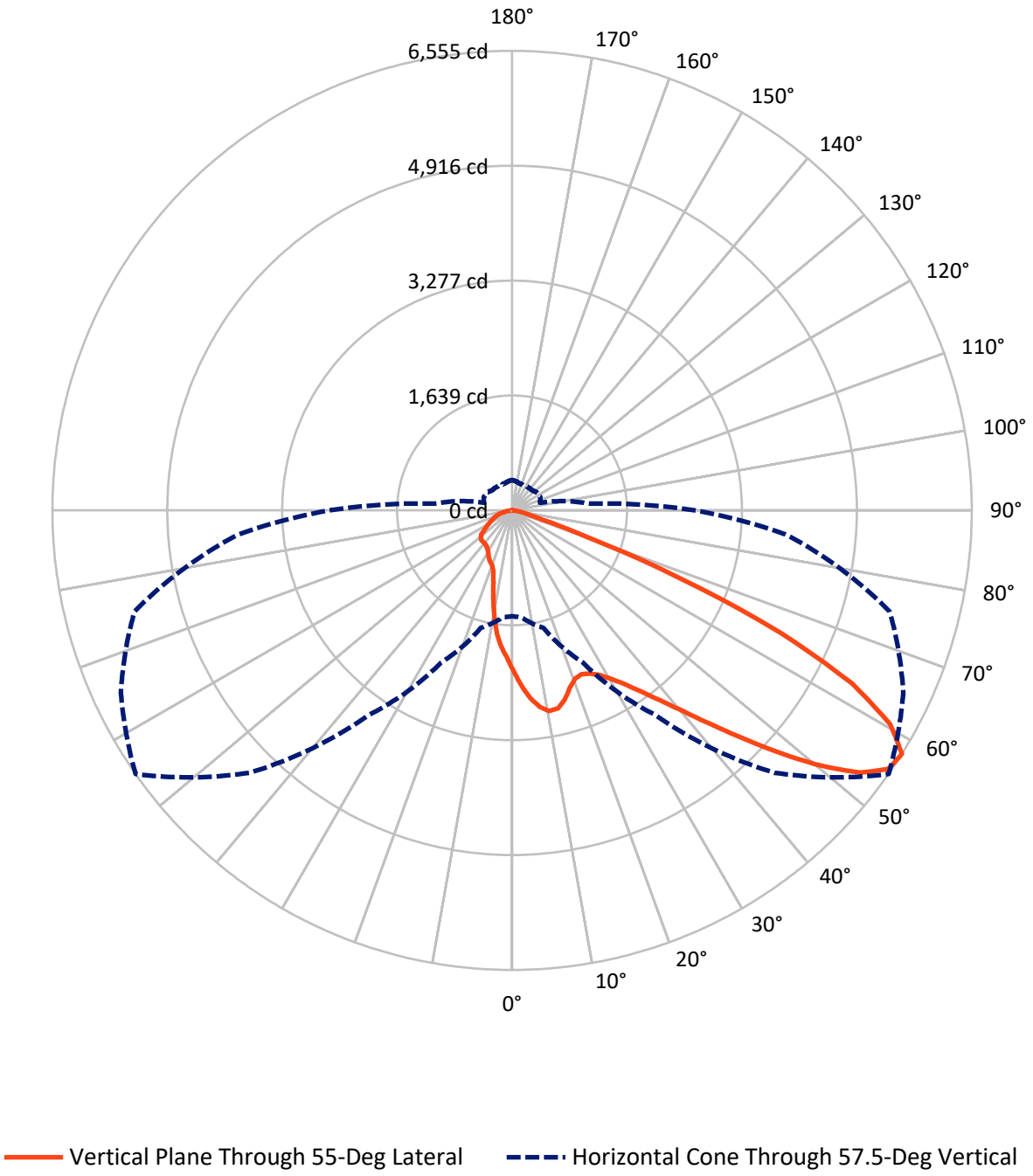
Based on 10 foot mounting height. Maximum calculated value = 27.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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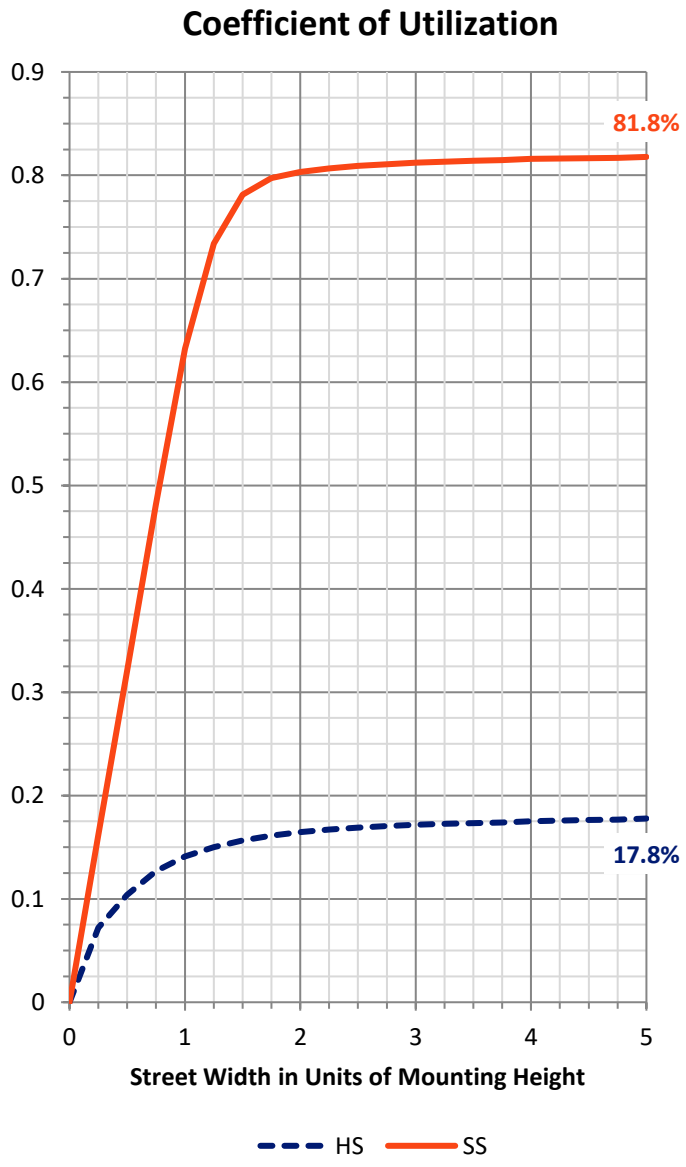
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1650.4	0.0	1650.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7470.6	0.0	7470.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	9121.0	0.0	9121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.1	2.3
10°-20°	535.3	5.9
20°-30°	854.2	9.4
30°-40°	1352.4	14.8
40°-50°	2069.9	22.7
50°-60°	2217.1	24.3
60°-70°	1394.8	15.3
70°-80°	412.5	4.5
80°-90°	72.9	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°	9121.0	100.0
0°-180°	9121.0	100.0



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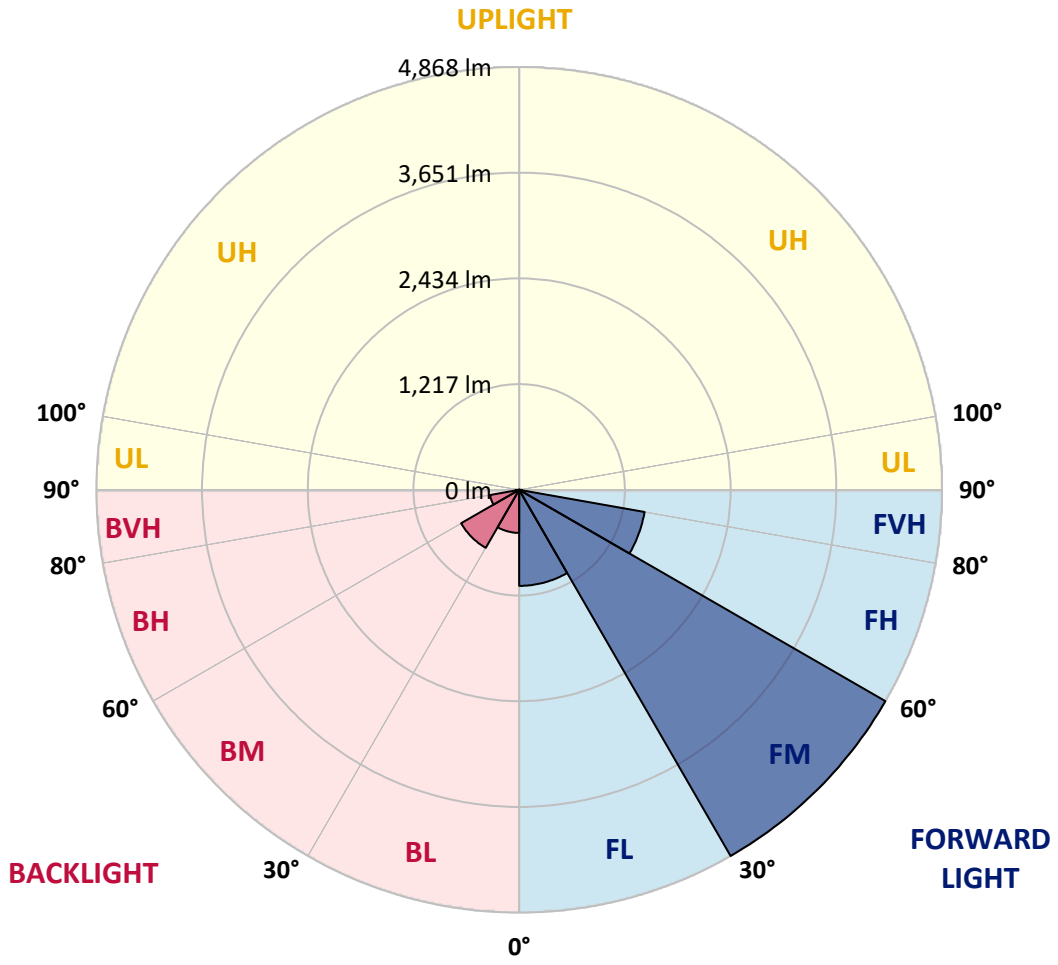
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1105.5	12.1			
FM	(30°-60°)	4867.9	53.4			
FH	(60°-80°)	1466.4	16.1			G1/1800
FVH	(80°-90°)	30.8	0.3			G1/100
BL	(0°-30°)	496.1	5.4	B1/500		
BM	(30°-60°)	771.4	8.5	B1/1000		
BH	(60°-80°)	340.9	3.7	B1/500		G1/500
BVH	(80°-90°)	42.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4	*2285.4*	2285.4	2285.4	2285.4	2285.4
2.5°	2622.1	2620.2	2630.6	2595.2	2571.2	2538.6	*2495.7*	2441.0	2382.1	2319.8	2293.0
5°	2858.3	2841.8	2852.7	2826.3	2799.8	2750.8	*2687.2*	2598.0	2489.1	2365.1	2299.1
7.5°	2821.1	2809.7	2837.6	2861.1	2880.9	2874.8	*2828.1*	2734.8	2594.3	2414.1	2318.4
10°	2520.7	2508.0	2547.1	2628.7	2748.5	2852.7	*2909.2*	2851.2	2701.8	2467.9	2337.3
12.5°	2255.7	2249.6	2275.5	2341.5	2474.5	2674.4	*2898.9*	2953.1	2813.5	2531.6	2362.8
15°	2142.6	2135.0	2151.5	2185.0	2269.9	2456.1	*2804.6*	3022.9	2923.4	2605.1	2403.3
17.5°	2117.6	2109.1	2116.2	2133.6	2188.3	2330.2	*2662.2*	3057.3	3038.0	2687.2	2437.3
20°	2163.8	2156.7	2157.6	2156.7	2194.9	2307.6	*2563.1*	3044.1	3137.9	2762.6	2470.3
22.5°	2275.5	2263.7	2264.2	2239.2	2260.0	2347.2	*2537.2*	3008.7	3227.0	2828.6	2495.3
25°	2457.5	2436.3	2440.6	2376.9	2371.2	2435.8	*2577.8*	2981.4	3315.7	2881.4	2500.0
27.5°	2706.5	2682.4	2669.7	2574.9	2529.7	2561.7	*2660.3*	2990.8	3399.6	2927.2	2488.2
30°	3017.7	2988.5	2962.5	2828.1	2746.1	2734.3	*2788.5*	3053.1	3498.6	2975.3	2467.9
32.5°	3399.1	3365.2	3318.0	3139.8	3024.3	2962.5	*2954.5*	3163.9	3614.6	3036.5	2457.5
35°	3853.2	3808.9	3741.9	3511.4	3365.2	3238.8	*3173.3*	3323.7	3773.5	3129.0	2469.3
37.5°	4321.0	4271.0	4209.7	3935.3	3755.6	3569.4	*3440.2*	3540.6	3985.2	3254.4	2500.4
40°	4752.4	4696.3	4639.2	4395.0	4202.1	3977.7	*3766.9*	3815.0	4244.1	3404.3	2553.2
42.5°	5007.0	4965.5	4943.8	4811.8	4662.8	4435.1	*4173.4*	4140.4	4535.0	3576.9	2613.6
45°	4995.7	4978.7	5045.7	5100.4	5065.0	4938.6	*4649.6*	4500.1	4826.9	3726.4	2669.2
47.5°	4728.8	4740.1	4889.6	5197.0	5332.3	5398.4	*5191.8*	4853.3	5080.6	3838.1	2694.2
50°	4002.7	4012.1	4358.2	5021.1	5401.2	5773.2	*5729.8*	5198.0	5277.2	3906.5	2688.6
52.5°	3427.9	3434.0	3582.6	4499.7	5173.9	5961.8	*6214.5*	5522.8	5421.0	3925.4	2657.0
55°	2582.0	2603.2	2769.7	3530.2	4582.6	5812.3	*6509.7*	5857.6	5512.0	3927.2	2624.0
57.5°	*1508.4*	*1531.5*	*1737.1*	*2396.2*	*3561.8*	*5291.3*	*6554.5*	*6154.7*	*5573.8*	*3912.1*	*2604.2*
60°	738.9	748.8	838.4	1259.4	2196.3	4287.5	*6194.3*	6298.5	5608.2	3904.1	2603.2
62.5°	497.9	496.5	500.3	621.5	1082.1	2754.6	*5443.6*	6046.7	5589.8	3873.5	2593.8
65°	428.1	422.9	408.8	436.2	560.6	1259.9	*4205.9*	5295.1	5449.8	3796.6	2529.2
67.5°	370.1	370.6	371.1	362.6	400.3	581.4	*2570.2*	4171.0	4947.1	3432.6	2280.2
70°	306.5	310.7	312.6	312.6	326.3	381.5	*1097.2*	2858.8	3902.2	2691.4	1836.5
72.5°	279.1	270.2	271.1	266.4	266.4	290.5	*441.8*	1620.6	2458.5	1514.0	1120.8
75°	227.7	233.4	234.3	231.0	220.2	221.6	*262.2*	679.9	1051.9	628.1	554.0
77.5°	196.6	196.6	198.5	196.1	187.7	166.0	*174.9*	263.6	357.9	257.4	276.8
80°	158.0	157.5	165.5	170.2	157.0	122.6	*111.7*	145.7	158.9	113.2	143.8
82.5°	76.9	81.6	113.6	129.7	119.3	88.6	*68.4*	90.5	84.9	50.0	64.6
85°	44.8	42.4	50.9	72.1	68.4	49.0	*33.0*	47.2	44.3	25.5	25.9
87.5°	14.1	13.2	10.4	24.5	19.8	13.7	*9.0*	13.7	12.3	5.7	5.7
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°	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4	2285.4
2.5°	2259.5	2203.9	2148.7	2098.2	2067.6	2047.8	2028.0	2005.8	1997.3	1984.6
5°	2236.9	2129.4	2033.6	1951.1	1876.2	1817.2	1757.8	1709.7	1688.0	1702.6
7.5°	2223.7	2068.1	1920.5	1769.1	1623.4	1507.0	1405.6	1334.4	1302.3	1310.3
10°	2211.9	1998.7	1773.8	1534.8	1325.4	1181.1	1077.4	1023.2	1002.9	1007.2
12.5°	2201.0	1920.9	1597.0	1282.5	1060.0	964.7	935.0	935.5	939.3	942.1
15°	2199.1	1827.1	1399.5	1061.8	916.6	910.5	942.6	962.8	973.7	977.0
17.5°	2196.3	1714.9	1198.1	911.4	881.7	923.2	952.9	966.1	974.6	975.1
20°	2185.0	1572.5	1012.3	839.8	874.2	910.0	928.4	938.8	945.9	948.2
22.5°	2150.1	1414.1	867.6	807.7	844.0	872.8	894.5	906.2	910.5	913.3
25°	2087.4	1236.8	767.6	777.1	802.0	838.4	855.8	858.2	856.7	861.0
27.5°	2005.3	1046.8	705.4	735.6	767.6	798.7	808.2	806.8	803.9	808.6
30°	1906.3	876.1	665.8	688.9	732.7	761.0	769.5	766.2	760.6	765.7
32.5°	1801.7	736.5	633.2	656.3	704.0	731.8	740.3	737.0	732.7	737.0
35°	1704.1	638.9	603.1	634.7	681.3	708.7	719.5	720.0	720.0	725.2
37.5°	1614.5	581.8	578.1	621.0	665.8	690.3	705.9	706.8	686.5	687.9
40°	1531.5	557.8	566.8	612.0	650.7	674.3	675.2	622.4	585.1	584.2
42.5°	1463.6	553.1	570.1	611.1	639.8	640.8	574.3	533.3	522.9	523.4
45°	1399.9	551.7	577.6	611.1	623.8	553.6	508.8	497.9	498.9	502.6
47.5°	1328.7	546.0	579.0	602.6	577.6	492.3	479.1	474.3	472.5	473.4
50°	1250.9	525.7	561.1	585.6	498.4	465.9	449.4	447.9	450.3	451.7
52.5°	1168.9	492.7	530.5	555.0	462.1	442.8	424.4	427.7	438.0	441.3
55°	1115.1	454.1	489.9	493.7	436.6	421.1	405.5	413.0	432.4	438.5
57.5°	*1101.0*	*413.0*	*443.7*	*439.5*	*404.1*	*402.2*	*392.8*	*399.4*	*423.9*	*432.8*
60°	1096.7	376.3	398.4	395.1	372.5	381.5	379.1	382.4	390.9	393.7
62.5°	1063.7	347.0	357.9	353.2	344.2	359.8	365.4	358.4	365.0	368.3
65°	979.8	323.5	318.3	315.0	318.7	332.9	344.2	330.1	336.2	345.6
67.5°	841.2	291.4	277.3	281.0	292.8	300.4	315.0	298.9	304.1	320.2
70°	680.4	250.8	238.1	249.0	260.3	275.8	278.2	267.3	279.6	297.5
72.5°	481.4	209.8	200.9	223.0	226.8	247.1	241.9	236.7	253.7	259.8
75°	333.8	169.3	164.1	181.1	194.7	212.2	208.4	214.5	250.4	253.2
77.5°	211.2	131.6	128.3	139.1	158.0	177.3	183.4	253.2	427.7	444.6
80°	122.6	98.1	94.3	102.8	119.3	137.2	176.8	310.7	282.0	278.7
82.5°	68.4	67.4	62.7	65.1	79.7	99.0	249.9	218.8	177.8	183.4
85°	32.1	39.6	33.9	32.5	44.8	116.0	166.9	125.0	83.0	81.1
87.5°	8.5	7.5	7.5	8.5	18.9	100.0	66.5	53.3	31.6	30.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)