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: P1199843

Luminaire Tested: GPC-SB2B-827-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199843
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2B-827-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8289 lumens
Efficiency:	N/A
Efficacy:	112.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

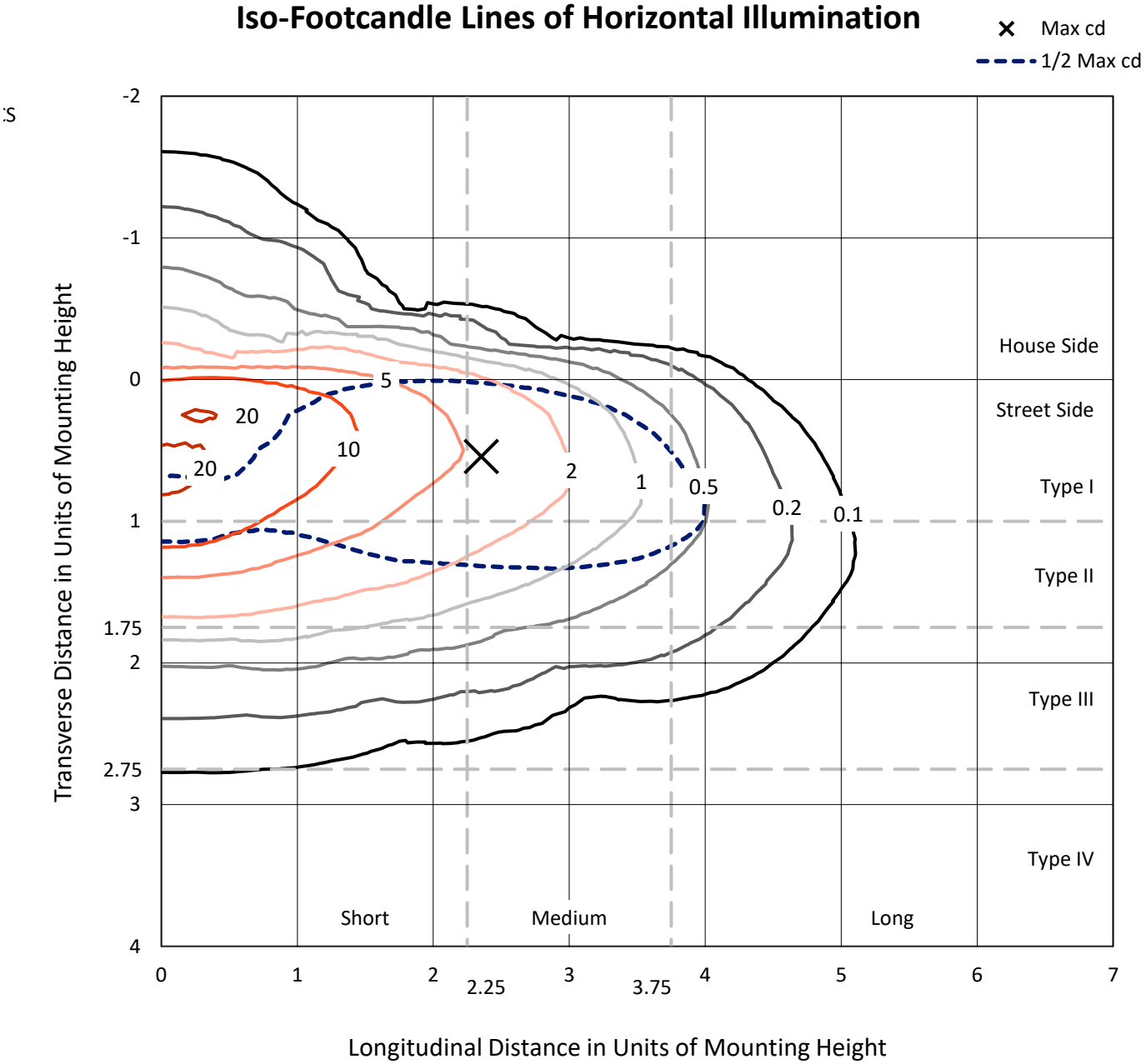


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Iso-Footcandle Lines of Horizontal Illumination



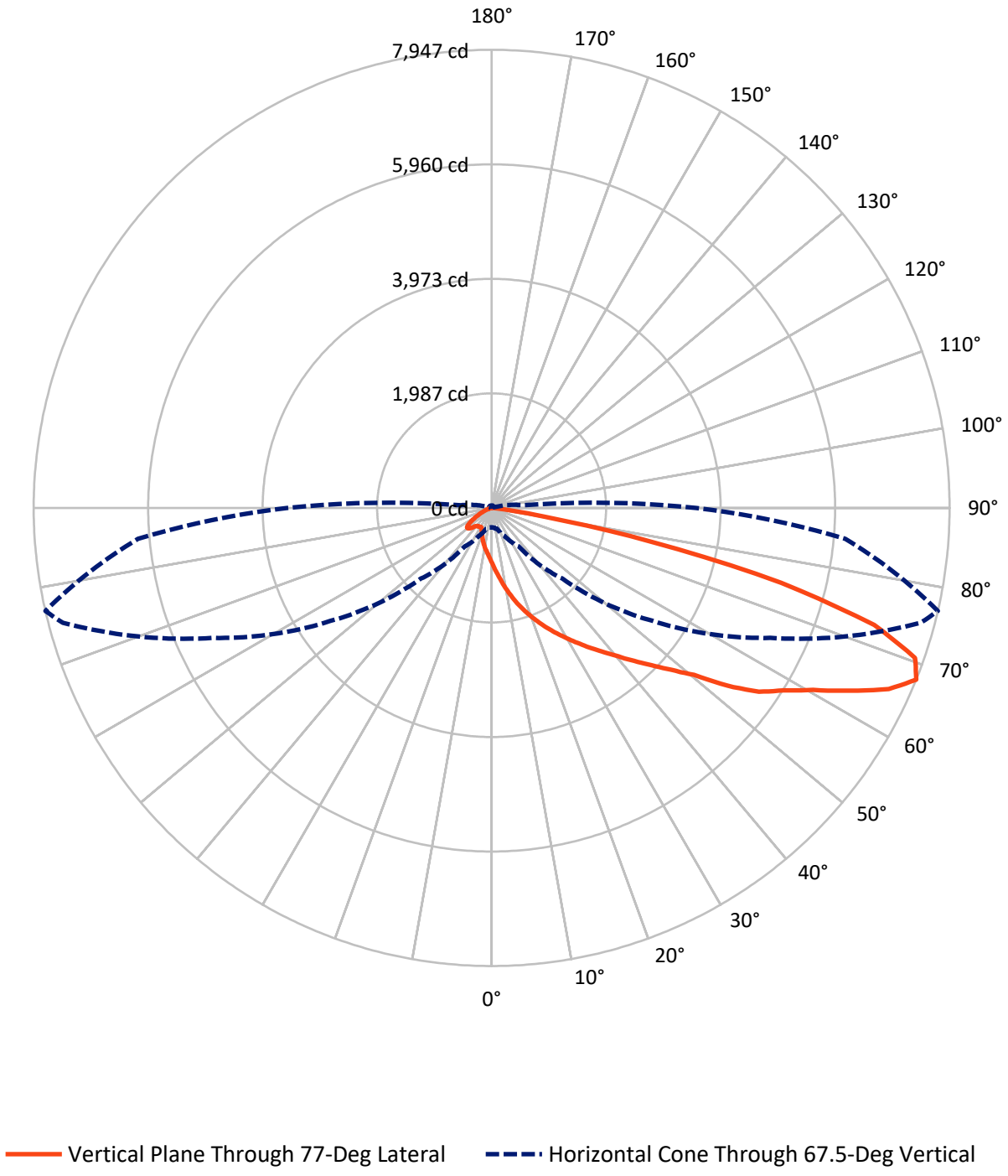
Based on 10 foot mounting height. Maximum calculated value = 22.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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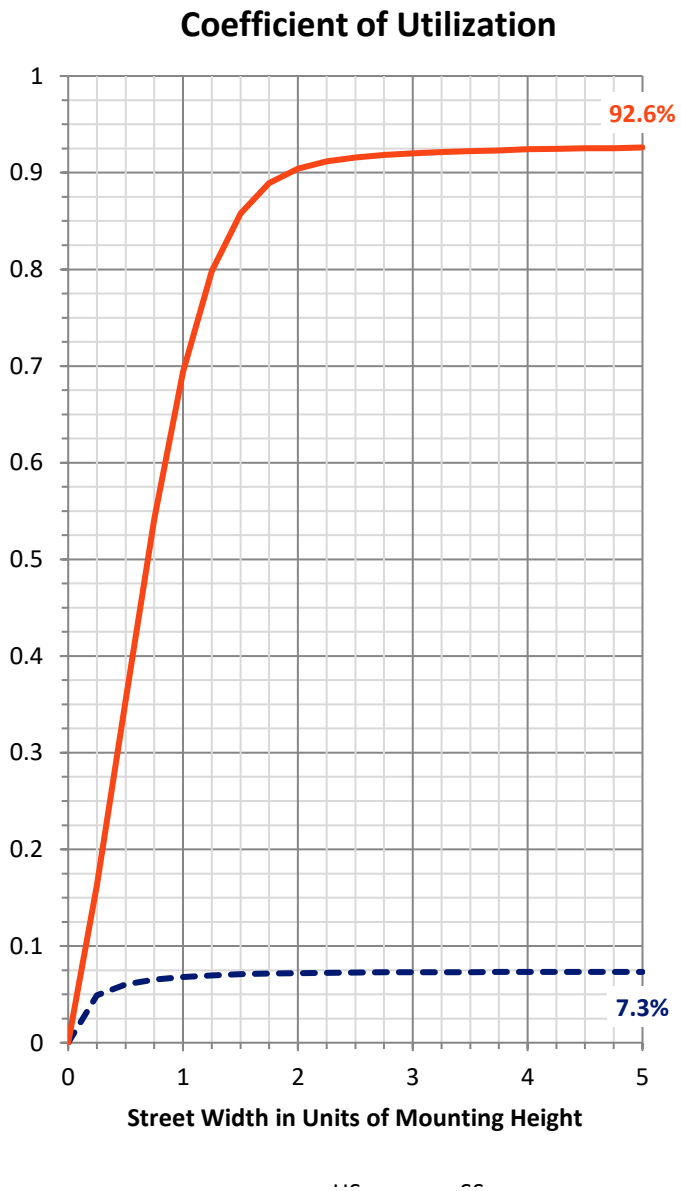
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	609.8	0.0	609.8
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	7679.2	0.0	7679.2
	% Fixture	92.6	0.0	92.6
Total	Lumens	8289.0	0.0	8289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	1.2
10°-20°	341.6	4.1
20°-30°	659.3	8.0
30°-40°	1144.5	13.8
40°-50°	1661.8	20.0
50°-60°	1908.4	23.0
60°-70°	1656.8	20.0
70°-80°	780.4	9.4
80°-90°	38.6	0.5
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°	8289.0	100.0
0°-180°	8289.0	100.0



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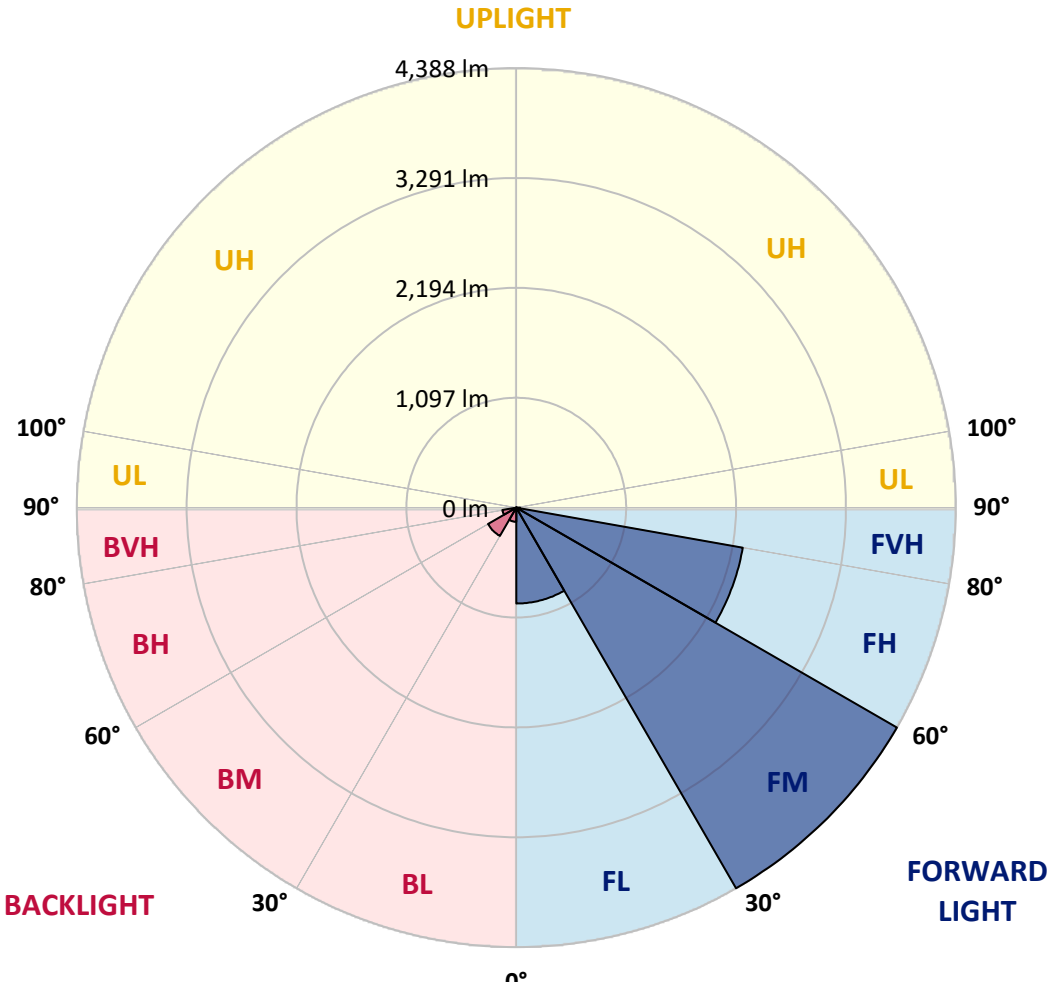
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	957.3	11.5			
FM	(30°-60°)	4388.0	52.9			
FH	(60°-80°)	2296.0	27.7			G2/5000
FVH	(80°-90°)	37.9	0.5			G1/100
BL	(0°-30°)	141.2	1.7	B1/500		
BM	(30°-60°)	326.8	3.9	B1/1000		
BH	(60°-80°)	141.2	1.7	B1/500		G1/500
BVH	(80°-90°)	0.7	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8	*955.8*	955.8
2.5°	1323.4	1331.6	1319.8	1297.1	1263.1	1241.0	1187.0	1136.0	1079.4	*1061.4*	1004.7
5°	1613.1	1620.4	1607.0	1582.3	1537.0	1493.7	1422.7	1316.2	1205.5	*1170.0*	1069.6
7.5°	1827.8	1831.9	1826.8	1804.1	1760.9	1712.0	1632.7	1506.6	1342.4	*1303.3*	1149.4
10°	1982.2	1995.6	1994.0	1985.3	1956.5	1916.8	1832.4	1688.8	1495.8	*1445.3*	1239.5
12.5°	2084.6	2099.6	2108.3	2127.9	2126.3	2101.1	2027.0	1875.1	1648.7	*1589.5*	1340.9
15°	2114.5	2130.4	2163.9	2209.2	2249.3	2262.2	2210.2	2057.9	1817.0	*1741.3*	1444.8
17.5°	2097.5	2122.2	2162.4	2233.9	2321.9	2380.1	2374.4	2234.4	1969.9	*1883.4*	1546.7
20°	2135.1	2158.8	2190.2	2250.4	2352.8	2458.3	2500.5	2403.2	2121.7	*2031.1*	1653.8
22.5°	2343.0	2338.9	2342.0	2351.8	2413.0	2517.5	2604.5	2556.6	2272.0	*2179.3*	1767.0
25°	2672.5	2653.9	2622.5	2569.5	2554.1	2604.5	2695.1	2692.5	2430.5	*2331.2*	1882.9
27.5°	3050.3	3047.2	2973.6	2845.9	2773.9	2754.3	2797.5	2824.8	2587.5	*2481.5*	1999.2
30°	3412.1	3420.3	3321.0	3178.9	3046.7	2970.0	2930.8	2950.4	2747.1	*2643.6*	2119.1
32.5°	3727.1	3735.9	3627.8	3461.5	3297.8	3205.2	3122.8	3074.4	2921.1	*2808.3*	2250.9
35°	3993.2	4002.0	3877.9	3694.2	3519.7	3435.8	3342.6	3210.3	3096.1	*2991.1*	2397.6
37.5°	4231.0	4228.5	4062.2	3876.9	3705.5	3639.1	3590.2	3377.6	3276.2	*3174.8*	2560.2
40°	4371.6	4382.4	4240.3	4036.0	3869.7	3821.3	3818.2	3585.1	3484.2	*3385.9*	2738.3
42.5°	4412.7	4431.8	4328.8	4161.0	4010.2	3957.7	4038.5	3809.5	3726.1	*3630.4*	2939.6
45°	4338.6	4357.1	4310.3	4194.0	4106.0	4072.0	4227.9	4042.1	3984.5	*3889.8*	3166.6
47.5°	4122.4	4145.6	4156.9	4132.2	4131.2	4165.7	4397.8	4287.1	4291.3	*4194.5*	3429.6
50°	3704.0	3743.1	3847.1	3934.6	4069.9	4239.8	4563.0	4552.7	4637.2	*4553.8*	3772.4
52.5°	2943.2	2998.8	3357.0	3596.4	3900.6	4225.9	4744.7	4978.9	5244.0	*5122.0*	4255.7
55°	2365.2	2365.2	2656.5	3104.3	3570.1	4134.3	4824.0	5255.9	5657.3	*5628.5*	4596.0
57.5°	1928.2	1951.3	2137.1	2533.0	3092.0	3916.0	4872.9	5429.8	5990.4	*5969.3*	4928.5
60°	1190.0	1240.0	1591.0	1981.7	2547.9	3527.4	4842.0	5605.9	6394.4	*6411.4*	5328.9
62.5°	670.2	688.7	845.2	1425.8	1981.2	3005.0	4605.8	5704.2	6911.2	*6983.3*	5741.8
65°	462.7	472.0	532.2	887.4	1373.3	2392.4	4144.0	5642.9	7429.0	*7574.7*	6091.8
67.5°	*336.1*	*340.7*	*378.3*	*542.0*	*814.8*	*1734.6*	*3420.3*	*5334.1*	*7703.4*	*7946.8*	*6158.7*
70°	258.4	261.5	288.8	356.2	481.3	1070.6	2484.1	4720.0	7504.7	*7795.5*	5815.9
72.5°	210.0	213.1	234.2	263.5	319.1	633.1	1505.6	3833.2	6627.6	*6941.6*	4951.1
75°	177.1	181.2	200.2	219.3	250.2	406.6	706.2	2669.4	4984.1	*5190.0*	3443.0
77.5°	98.3	90.6	162.7	181.7	211.0	257.4	330.5	1570.9	2791.4	*2848.5*	1527.7
80°	61.3	63.3	129.2	146.2	162.1	129.7	151.3	604.8	967.7	*919.3*	296.0
82.5°	3.6	8.2	99.3	105.5	111.2	55.6	57.1	205.4	233.2	*214.1*	52.5
85°	0.0	0.0	45.3	36.5	38.6	16.0	16.5	47.9	31.4	*34.0*	10.3
87.5°	0.0	0.0	0.0	1.0	0.0	1.5	3.1	4.1	1.5	*2.1*	3.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8	955.8
2.5°	968.7	932.7	859.6	788.0	729.9	675.8	637.2	600.7	582.2	581.1	580.1
5°	998.1	922.4	776.2	647.0	543.0	459.6	405.6	367.0	347.4	340.7	339.7
7.5°	1039.2	925.5	703.1	523.5	401.0	329.4	298.5	286.2	282.1	277.4	276.4
10°	1091.2	932.7	637.7	421.6	316.0	280.0	267.7	262.5	259.4	256.3	255.3
12.5°	1149.4	939.4	572.9	350.0	278.0	259.4	250.7	244.5	240.4	236.8	235.7
15°	1206.0	943.5	505.5	300.1	258.4	243.5	234.2	227.5	221.8	217.7	217.2
17.5°	1262.1	949.2	442.1	270.2	242.4	227.5	218.2	210.0	205.4	200.7	200.2
20°	1324.4	948.1	382.4	249.1	226.5	211.6	201.8	194.1	189.4	184.3	183.8
22.5°	1382.0	943.0	329.9	231.1	210.0	195.6	184.8	177.1	172.4	168.3	167.8
25°	1448.4	938.9	286.2	214.6	194.6	180.2	168.3	161.1	156.0	152.4	151.8
27.5°	1512.3	932.7	254.3	199.7	179.6	165.7	154.4	146.2	141.5	139.0	139.0
30°	1575.1	931.1	242.4	185.3	166.3	152.4	141.0	133.3	129.7	128.7	128.2
32.5°	1650.7	935.3	247.6	180.2	153.9	140.0	129.2	123.5	119.9	119.9	119.9
35°	1731.5	934.2	255.3	184.8	145.7	127.7	119.4	115.8	112.2	112.2	112.2
37.5°	1832.9	935.8	261.5	192.5	142.6	117.4	112.7	108.1	106.0	106.0	106.0
40°	1984.3	986.7	258.4	199.2	141.5	110.2	100.9	99.3	97.8	97.8	97.8
42.5°	2169.6	1097.4	262.5	199.7	141.0	105.0	92.7	95.7	92.1	91.6	91.1
45°	2372.4	1218.4	288.8	188.9	140.5	102.4	88.5	92.1	86.5	86.5	86.5
47.5°	2573.6	1338.3	315.5	173.5	139.0	101.9	84.9	82.9	81.3	81.8	81.8
50°	2851.1	1436.1	325.8	152.4	135.4	100.9	78.2	78.8	77.7	78.8	78.8
52.5°	3153.2	1456.7	313.5	128.7	125.1	97.8	73.6	75.7	75.1	76.2	76.2
55°	3341.6	1434.5	258.9	107.1	109.1	85.4	69.0	73.1	73.1	73.1	73.1
57.5°	3536.2	1340.3	183.8	87.0	90.6	70.0	64.9	70.5	70.0	69.5	69.5
60°	3676.2	1188.0	121.0	71.5	72.1	57.6	60.2	66.4	65.9	63.3	63.3
62.5°	3780.7	1019.7	77.7	60.7	55.1	52.0	55.1	60.2	58.2	52.5	51.5
65°	3768.8	786.5	59.7	52.0	45.3	45.3	47.9	52.5	46.3	37.1	36.0
67.5°	*3549.0*	*532.2*	*49.4*	*43.8*	*38.1*	*37.6*	*39.6*	*43.8*	*39.6*	*31.4*	*30.4*
70°	3156.3	348.0	39.6	34.0	30.4	27.8	31.9	37.6	33.5	25.2	24.2
72.5°	2561.8	212.1	29.9	24.7	22.1	18.0	25.2	30.9	26.8	18.5	17.5
75°	1657.4	108.1	20.6	16.0	11.8	10.8	18.5	23.2	18.5	11.3	9.8
77.5°	634.1	45.3	11.3	7.2	6.2	5.1	10.3	13.9	7.7	2.6	2.1
80°	122.0	19.0	5.7	3.6	3.1	2.1	1.5	1.0	0.0	0.0	0.0
82.5°	21.1	6.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.0	0.0	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	0.0


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(END OF REPORT)