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: P1200319

Luminaire Tested: GPC-SB2C-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:	P1200319
	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-SB2C-827-U-T2R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 615mA 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:	11025 lumens
Efficiency:	N/A
Efficacy:	109.3 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):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

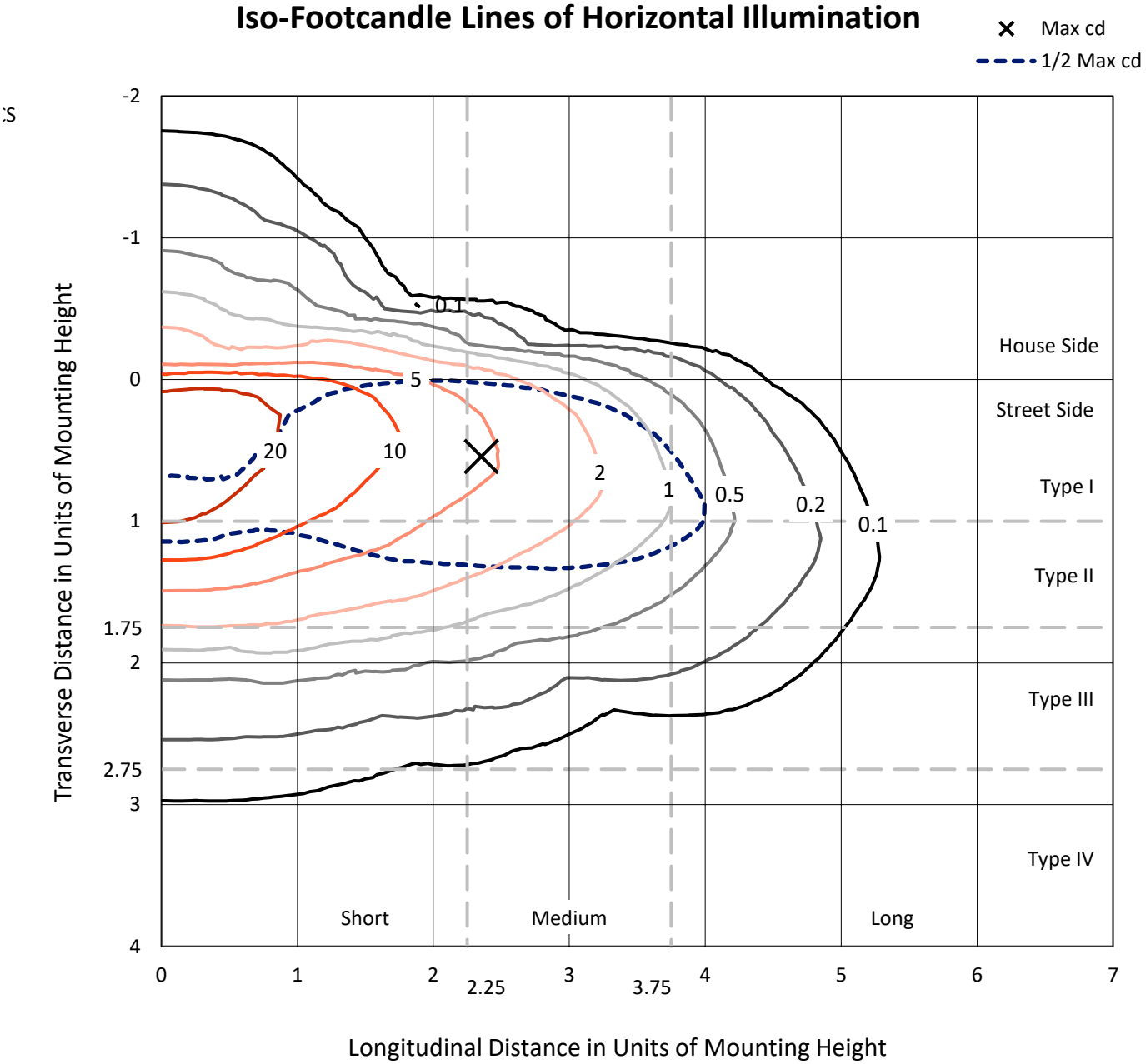


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Iso-Footcandle Lines of Horizontal Illumination



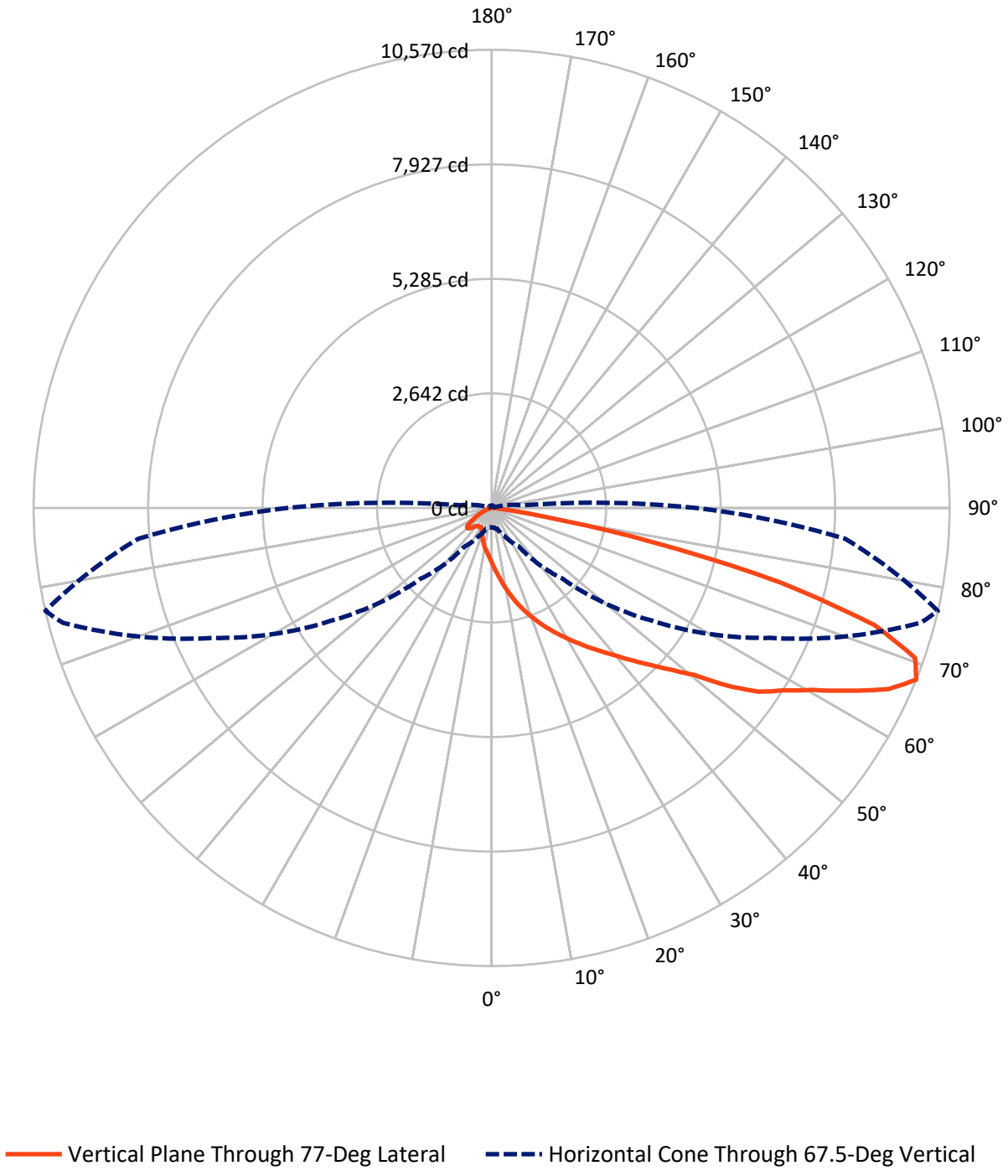
Based on 10 foot mounting height. Maximum calculated value = 29.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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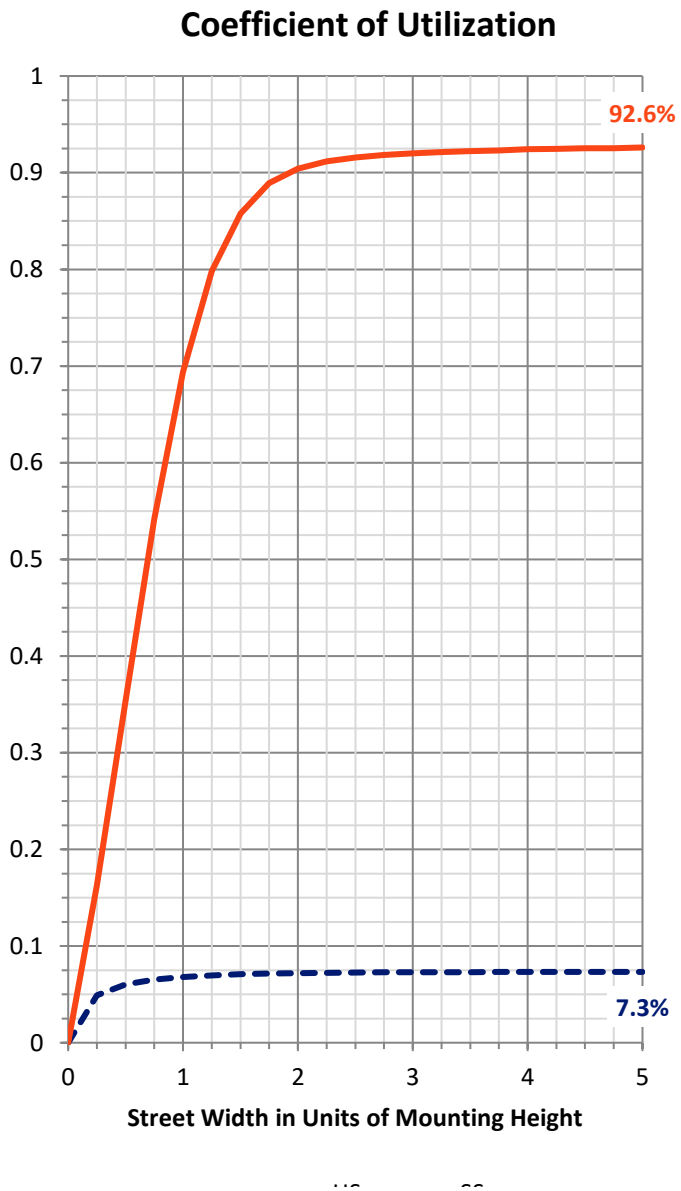
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.1	0.0	811.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	10213.9	0.0	10213.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	11025.0	0.0	11025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	1.2
10°-20°	454.4	4.1
20°-30°	876.9	8.0
30°-40°	1522.3	13.8
40°-50°	2210.3	20.0
50°-60°	2538.3	23.0
60°-70°	2203.7	20.0
70°-80°	1038.0	9.4
80°-90°	51.3	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°	11025.0	100.0
0°-180°	11025.0	100.0



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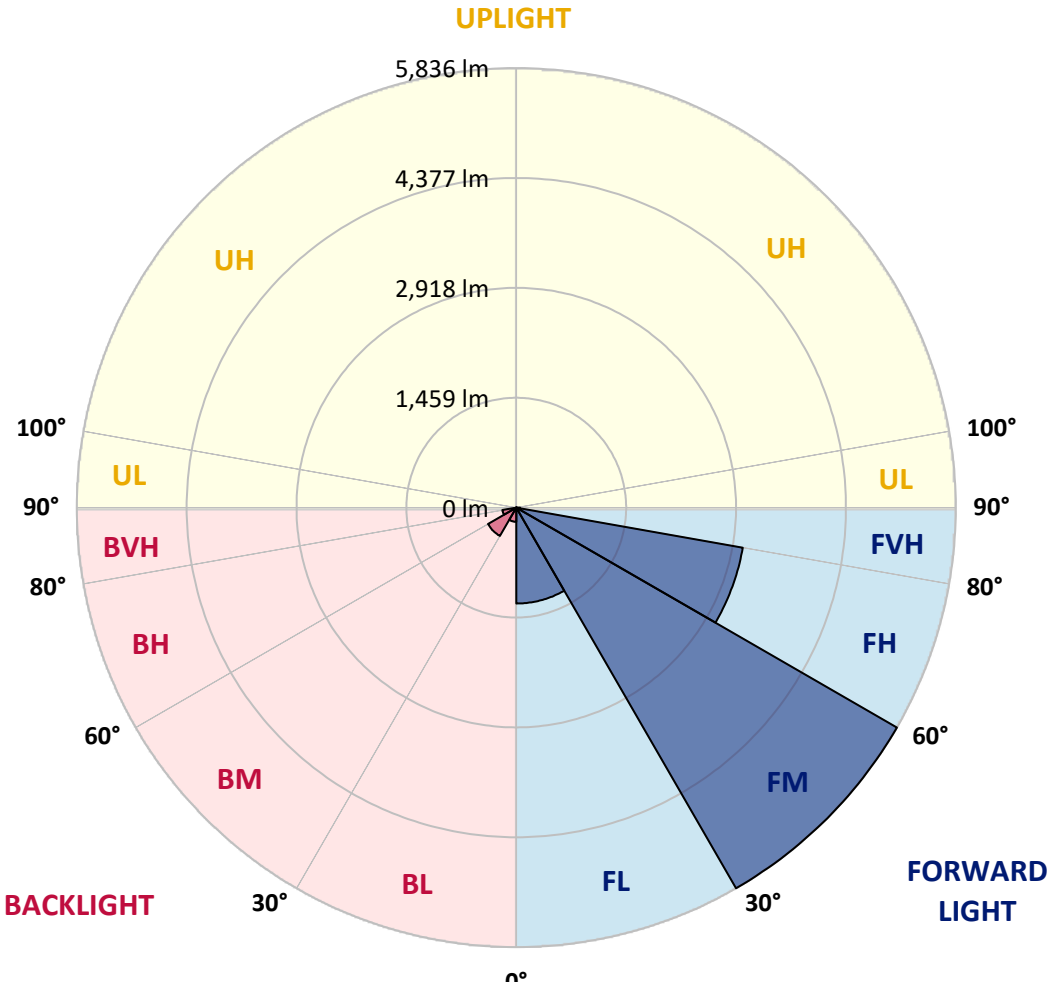
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1273.3	11.5			
FM	(30°-60°)	5836.3	52.9			
FH	(60°-80°)	3053.9	27.7			G2/5000
FVH	(80°-90°)	50.4	0.5			G1/100
BL	(0°-30°)	187.8	1.7	B1/500		
BM	(30°-60°)	434.6	3.9	B1/1000		
BH	(60°-80°)	187.8	1.7	B1/500		G1/500
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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	*1271.3*	1271.3
2.5°	1760.2	1771.1	1755.4	1725.2	1680.1	1650.6	1578.7	1511.0	1435.7	*1411.7*	1336.4
5°	2145.6	2155.2	2137.4	2104.5	2044.3	1986.8	1892.3	1750.6	1603.4	*1556.1*	1422.6
7.5°	2431.1	2436.6	2429.7	2399.6	2342.1	2277.1	2171.6	2003.9	1785.5	*1733.5*	1528.8
10°	2636.5	2654.3	2652.2	2640.6	2602.3	2549.5	2437.3	2246.2	1989.5	*1922.4*	1648.6
12.5°	2772.7	2792.6	2804.2	2830.2	2828.2	2794.6	2696.0	2494.1	2192.8	*2114.1*	1783.4
15°	2812.4	2833.7	2878.2	2938.4	2991.8	3008.9	2939.8	2737.1	2416.7	*2316.1*	1921.7
17.5°	2789.8	2822.7	2876.1	2971.3	3088.3	3165.7	3158.2	2971.9	2620.1	*2505.0*	2057.3
20°	2839.8	2871.3	2913.1	2993.2	3129.4	3269.8	3325.9	3196.5	2822.0	*2701.5*	2199.7
22.5°	3116.4	3110.9	3115.0	3128.0	3209.5	3348.5	3464.2	3400.5	3021.9	*2898.7*	2350.3
25°	3554.6	3529.9	3488.2	3417.6	3397.1	3464.2	3584.7	3581.3	3232.8	*3100.7*	2504.4
27.5°	4057.1	4053.0	3955.1	3785.3	3689.4	3663.4	3720.9	3757.2	3441.6	*3300.6*	2659.1
30°	4538.4	4549.3	4417.2	4228.2	4052.3	3950.3	3898.2	3924.3	3653.8	*3516.2*	2818.6
32.5°	4957.4	4969.0	4825.2	4604.1	4386.4	4263.1	4153.6	4089.3	3885.2	*3735.3*	2993.9
35°	5311.3	5322.9	5157.9	4913.5	4681.5	4569.9	4445.9	4270.0	4118.0	*3978.3*	3189.0
37.5°	5627.6	5624.2	5403.0	5156.6	4928.6	4840.3	4775.2	4492.5	4357.6	*4222.8*	3405.3
40°	5814.5	5828.9	5639.9	5368.1	5147.0	5082.6	5078.5	4768.4	4634.2	*4503.4*	3642.2
42.5°	5869.3	5894.6	5757.7	5534.5	5333.9	5264.1	5371.6	5066.9	4956.0	*4828.6*	3909.9
45°	5770.7	5795.3	5733.0	5578.3	5461.2	5416.1	5623.5	5376.3	5299.7	*5173.7*	4211.8
47.5°	5483.1	5514.0	5529.0	5496.2	5494.8	5540.7	5849.4	5702.2	5707.7	*5579.0*	4561.6
50°	4926.5	4978.6	5116.9	5233.3	5413.3	5639.2	6069.2	6055.5	6167.8	*6056.9*	5017.6
52.5°	3914.7	3988.6	4465.1	4783.5	5188.1	5620.8	6310.9	6622.4	6974.9	*6812.7*	5660.5
55°	3145.8	3145.8	3533.3	4129.0	4748.5	5498.9	6416.3	6990.7	7524.7	*7486.4*	6113.0
57.5°	2564.6	2595.4	2842.6	3369.0	4112.5	5208.6	6481.3	7222.1	7967.6	*7939.6*	6555.3
60°	1582.8	1649.3	2116.2	2635.8	3388.9	4691.7	6440.2	7456.2	8505.1	*8527.7*	7087.9
62.5°	891.4	916.0	1124.2	1896.4	2635.1	3996.8	6126.0	7587.0	9192.4	*9288.3*	7637.0
65°	615.5	627.8	707.9	1180.3	1826.6	3182.1	5511.9	7505.5	9881.2	*10074.9*	8102.5
67.5°	*447.1*	*453.2*	*503.2*	*720.9*	*1083.8*	*2307.2*	*4549.3*	*7094.7*	*10246.1*	*10569.9*	*8191.5*
70°	343.7	347.8	384.1	473.8	640.1	1424.0	3304.0	6278.0	9981.8	*10368.6*	7735.6
72.5°	279.3	283.4	311.5	350.5	424.5	842.1	2002.5	5098.4	8815.2	*9232.8*	6585.4
75°	235.5	241.0	266.3	291.6	332.7	540.9	939.3	3550.5	6629.2	*6903.1*	4579.4
77.5°	130.8	120.5	216.3	241.7	280.7	342.3	439.5	2089.5	3712.7	*3788.7*	2032.0
80°	81.5	84.2	171.8	194.4	215.7	172.5	201.3	804.4	1287.1	*1222.7*	393.7
82.5°	4.8	11.0	132.1	140.3	147.9	73.9	76.0	273.2	310.1	*284.8*	69.8
85°	0.0	0.0	60.2	48.6	51.3	21.2	21.9	63.7	41.8	*45.2*	13.7
87.5°	0.0	0.0	0.0	1.4	0.0	2.1	4.1	5.5	2.1	*2.7*	4.8
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°	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3	1271.3
2.5°	1288.5	1240.5	1143.3	1048.2	970.8	898.9	847.6	799.0	774.3	772.9	771.6
5°	1327.5	1226.8	1032.4	860.6	722.3	611.4	539.5	488.1	462.1	453.2	451.9
7.5°	1382.3	1231.0	935.2	696.3	533.3	438.2	397.1	380.7	375.2	369.0	367.6
10°	1451.4	1240.5	848.2	560.7	420.4	372.4	356.0	349.2	345.0	340.9	339.6
12.5°	1528.8	1249.4	762.0	465.5	369.7	345.0	333.4	325.2	319.7	314.9	313.6
15°	1604.1	1254.9	672.3	399.1	343.7	323.8	311.5	302.6	295.1	289.6	288.9
17.5°	1678.7	1262.4	588.1	359.4	322.5	302.6	290.3	279.3	273.2	267.0	266.3
20°	1761.5	1261.1	508.7	331.4	301.2	281.4	268.4	258.1	251.9	245.1	244.4
22.5°	1838.2	1254.2	438.8	307.4	279.3	260.2	245.8	235.5	229.3	223.9	223.2
25°	1926.5	1248.8	380.7	285.5	258.8	239.6	223.9	214.3	207.4	202.6	202.0
27.5°	2011.4	1240.5	338.2	265.6	238.9	220.4	205.4	194.4	188.3	184.8	184.8
30°	2094.9	1238.5	322.5	246.5	221.1	202.6	187.6	177.3	172.5	171.2	170.5
32.5°	2195.6	1244.0	329.3	239.6	204.7	186.2	171.8	164.3	159.5	159.5	159.5
35°	2303.1	1242.6	339.6	245.8	193.7	169.8	158.8	154.0	149.2	149.2	149.2
37.5°	2437.9	1244.6	347.8	256.0	189.6	156.1	149.9	143.8	141.0	141.0	141.0
40°	2639.2	1312.4	343.7	264.9	188.3	146.5	134.2	132.1	130.1	130.1	130.1
42.5°	2885.7	1459.6	349.2	265.6	187.6	139.7	123.2	127.3	122.5	121.9	121.2
45°	3155.4	1620.5	384.1	251.3	186.9	136.2	117.8	122.5	115.0	115.0	115.0
47.5°	3423.1	1780.0	419.7	230.7	184.8	135.6	113.0	110.2	108.2	108.9	108.9
50°	3792.1	1910.1	433.4	202.6	180.1	134.2	104.1	104.7	103.4	104.7	104.7
52.5°	4194.0	1937.5	416.9	171.2	166.4	130.1	97.9	100.6	100.0	101.3	101.3
55°	4444.6	1908.0	344.4	142.4	145.1	113.6	91.7	97.2	97.2	97.2	97.2
57.5°	4703.4	1782.8	244.4	115.7	120.5	93.1	86.3	93.8	93.1	92.4	92.4
60°	4889.6	1580.1	160.9	95.2	95.8	76.7	80.1	88.3	87.6	84.2	84.2
62.5°	5028.6	1356.2	103.4	80.8	73.3	69.1	73.3	80.1	77.4	69.8	68.5
65°	5012.8	1046.1	79.4	69.1	60.2	60.2	63.7	69.8	61.6	49.3	47.9
67.5°	*4720.5*	*707.9*	*65.7*	*58.2*	*50.7*	*50.0*	*52.7*	*58.2*	*52.7*	*41.8*	*40.4*
70°	4198.1	462.8	52.7	45.2	40.4	37.0	42.4	50.0	44.5	33.5	32.2
72.5°	3407.4	282.1	39.7	32.9	29.4	24.0	33.5	41.1	35.6	24.6	23.3
75°	2204.5	143.8	27.4	21.2	15.7	14.4	24.6	30.8	24.6	15.1	13.0
77.5°	843.5	60.2	15.1	9.6	8.2	6.8	13.7	18.5	10.3	3.4	2.7
80°	162.3	25.3	7.5	4.8	4.1	2.7	2.1	1.4	0.0	0.0	0.0
82.5°	28.1	8.2	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	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)