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: P1199353

Luminaire Tested: GPC-SB2A-827-U-AFL-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1199353
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2A-827-U-AFL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 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:	6650 lumens
Efficiency:	N/A
Efficacy:	116.1 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

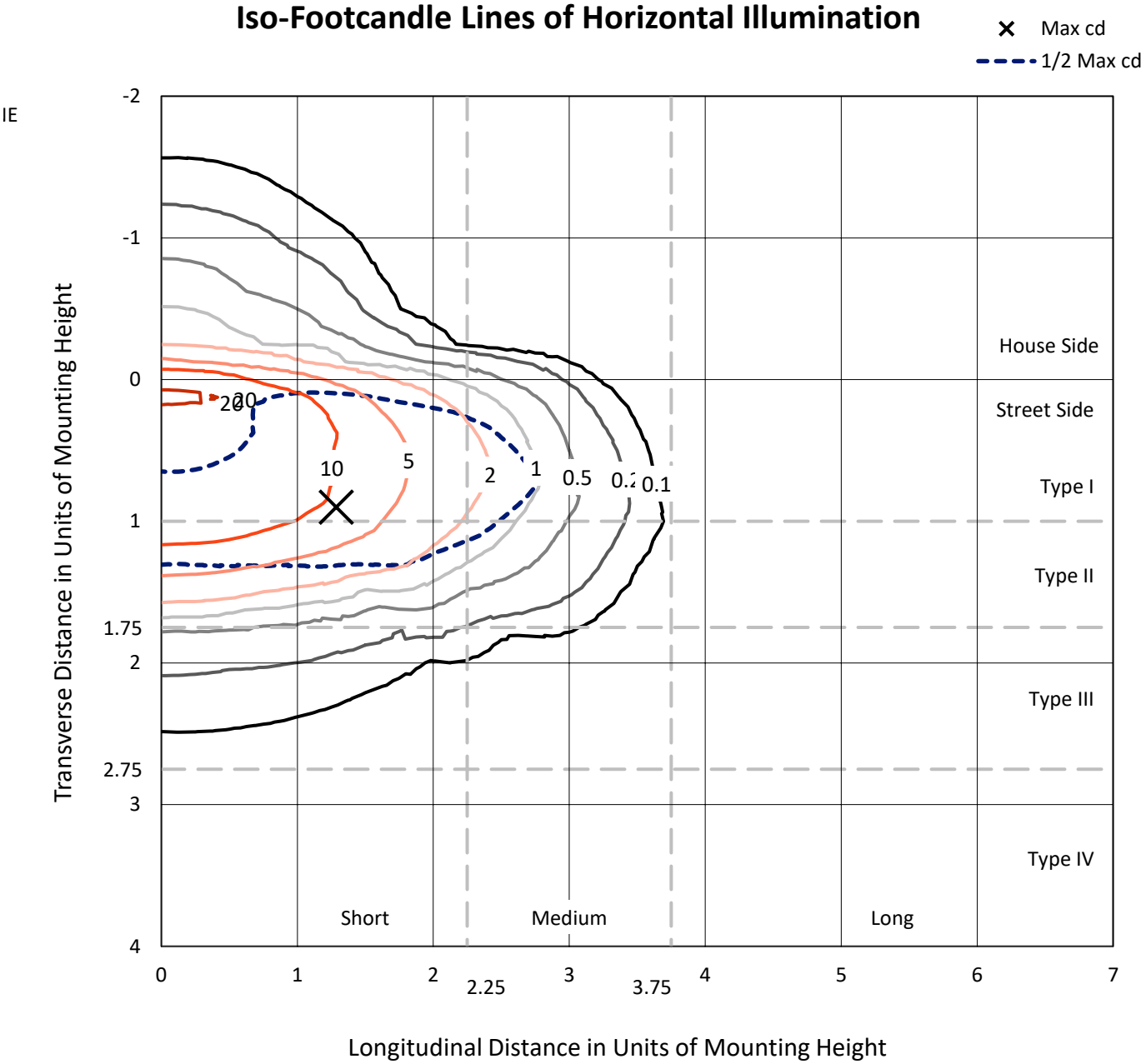


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Iso-Footcandle Lines of Horizontal Illumination



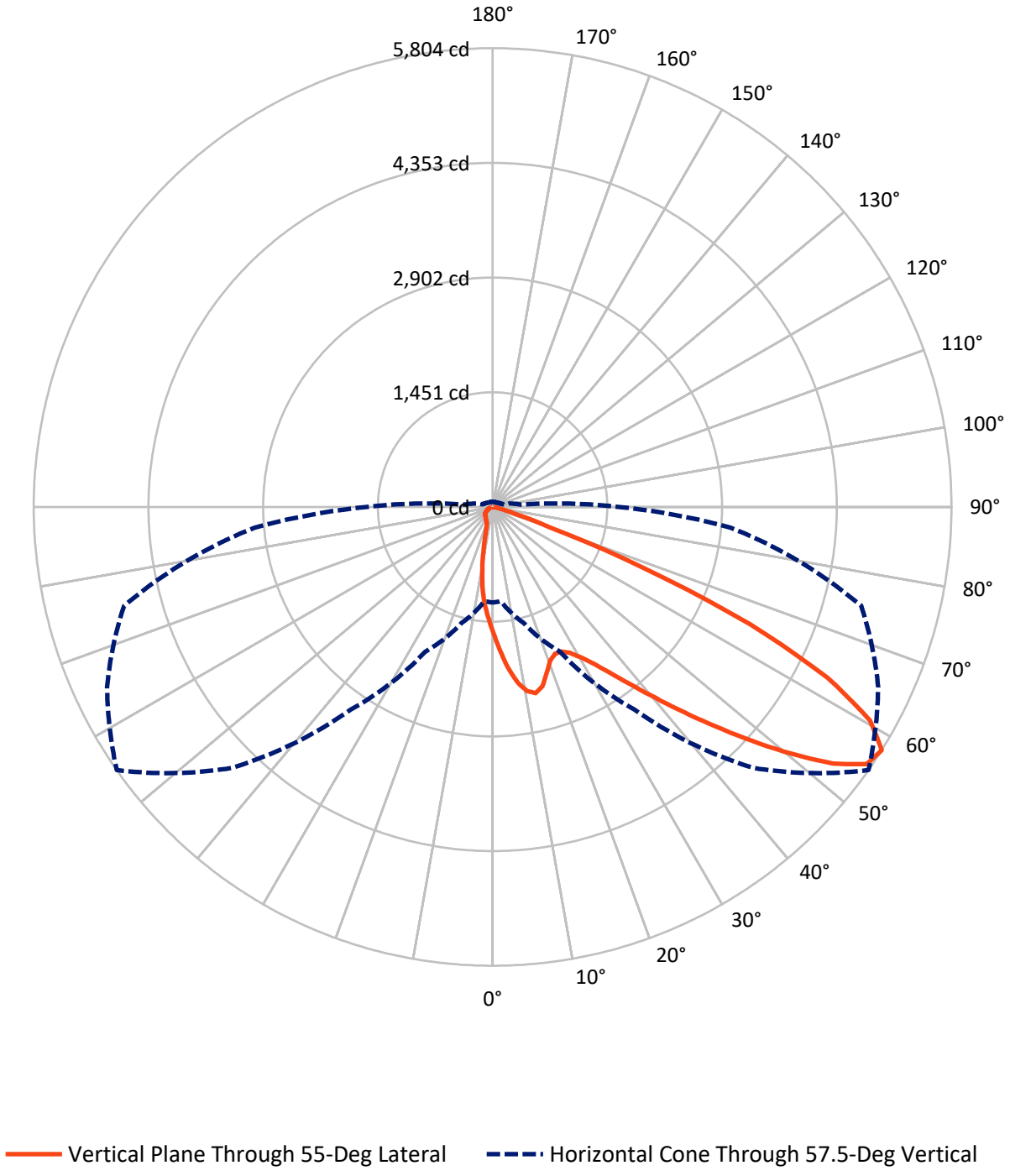
Based on 10 foot mounting height. Maximum calculated value = 22.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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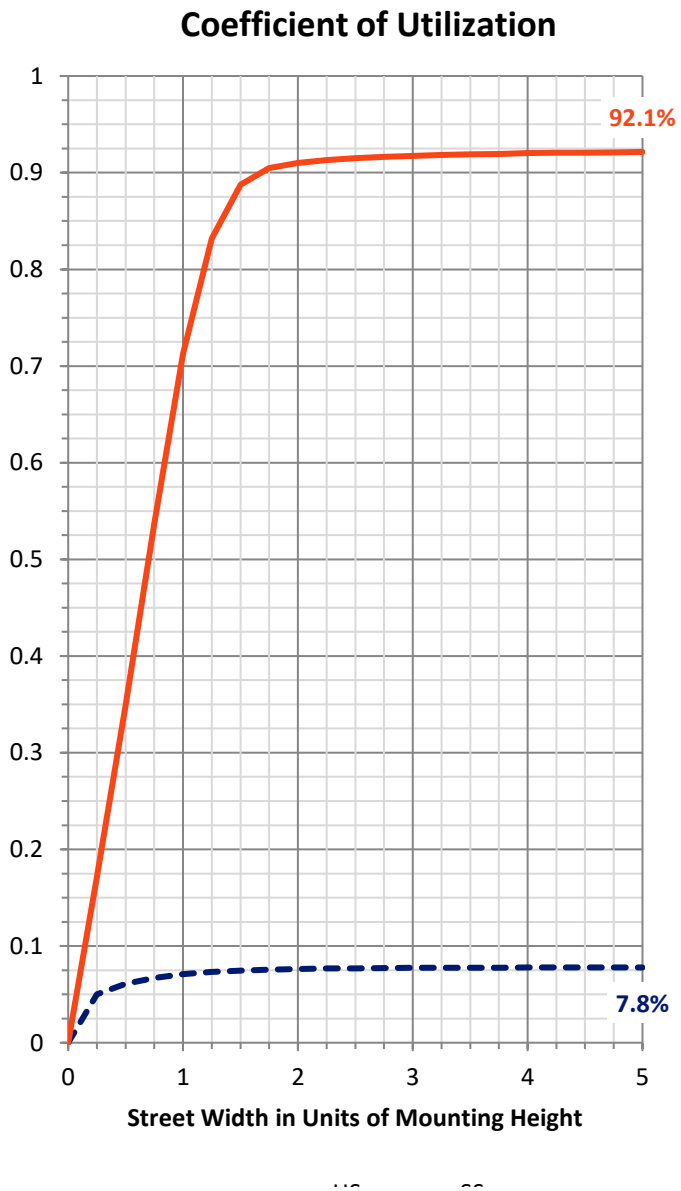
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	519.3	0.0	519.3
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	6130.7	0.0	6130.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	6650.0	0.0	6650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	2.2
10°-20°	360.2	5.4
20°-30°	576.2	8.7
30°-40°	975.3	14.7
40°-50°	1601.3	24.1
50°-60°	1759.9	26.5
60°-70°	1009.5	15.2
70°-80°	206.3	3.1
80°-90°	12.2	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°	6650.0	100.0
0°-180°	6650.0	100.0



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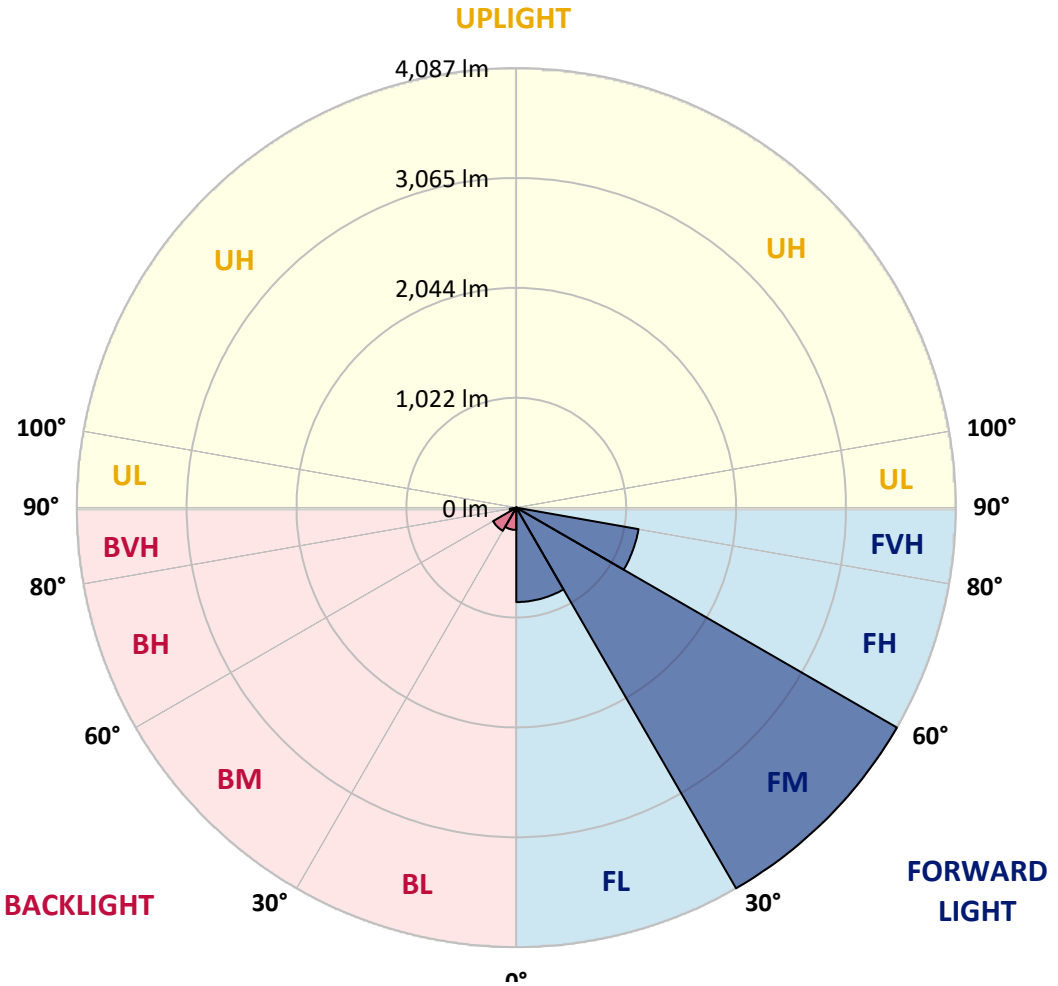
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	878.2	13.2			
FM	(30°-60°)	4087.1	61.5			
FH	(60°-80°)	1154.0	17.4			G1/1800
FVH	(80°-90°)	11.4	0.2			G1/100
BL	(0°-30°)	207.3	3.1	B1/500		
BM	(30°-60°)	249.4	3.8	B1/1000		
BH	(60°-80°)	61.8	0.9	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5
2.5°	1988.3	1963.3	1959.6	1954.7	1907.2	1871.5	1819.8	1763.2	1699.7	1634.9	1606.2
5°	2297.1	2277.4	2273.7	2250.8	2196.7	2136.0	2044.1	1928.1	1809.6	1670.1	1610.3
7.5°	2357.0	2353.3	2370.1	2369.3	2361.9	2313.9	2236.4	2098.2	1920.3	1713.6	1620.9
10°	2090.0	2099.5	2149.5	2193.4	2311.9	2380.8	2364.0	2250.0	2034.3	1763.2	1632.8
12.5°	1846.9	1835.8	1871.5	1921.1	2058.9	2263.9	2416.9	2376.7	2164.7	1819.4	1650.5
15°	1694.3	1689.8	1709.9	1732.9	1837.9	2044.5	2355.3	2479.6	2290.1	1885.8	1677.1
17.5°	1645.5	1641.9	1648.0	1653.7	1721.8	1881.7	2209.0	2542.7	2410.3	1961.7	1706.6
20°	1685.3	1680.4	1679.6	1675.1	1703.4	1812.4	2076.5	2547.2	2518.1	2030.6	1732.1
22.5°	1801.4	1795.6	1775.5	1757.5	1759.9	1821.9	2017.5	2502.1	2599.3	2095.0	1748.1
25°	2011.7	2002.3	1960.5	1899.8	1861.2	1887.5	2026.5	2442.7	2676.8	2145.4	1740.3
27.5°	2275.0	2262.7	2209.0	2118.7	2030.6	1998.6	2091.7	2401.7	2741.2	2183.9	1723.5
30°	2532.9	2516.9	2464.0	2393.9	2265.1	2164.3	2209.4	2419.7	2817.9	2224.1	1701.3
32.5°	2811.3	2796.1	2726.0	2639.1	2532.5	2396.8	2370.5	2507.9	2911.8	2280.3	1685.7
35°	3163.6	3139.8	3040.1	2921.6	2808.5	2671.1	2588.7	2660.0	3036.9	2366.0	1694.3
37.5°	3564.6	3532.6	3425.2	3261.6	3113.9	2960.2	2854.4	2869.1	3220.1	2480.8	1721.0
40°	3942.7	3913.5	3814.3	3660.1	3474.8	3288.2	3175.4	3142.6	3473.1	2620.6	1767.7
42.5°	4169.4	4143.2	4101.3	4036.1	3879.9	3689.7	3547.4	3476.4	3772.5	2787.9	1824.7
45°	4182.1	4159.2	4215.3	4291.2	4260.4	4133.7	3960.3	3830.3	4073.1	2945.0	1883.8
47.5°	3978.7	3963.2	4133.7	4398.6	4530.7	4584.0	4424.1	4154.7	4321.1	3057.8	1908.0
50°	3424.4	3418.6	3769.6	4255.9	4633.6	4978.5	4913.3	4456.5	4513.5	3116.0	1885.0
52.5°	2969.2	2948.3	3152.9	3799.1	4483.9	5185.9	5391.4	4752.5	4647.9	3127.1	1831.3
55°	2252.0	2233.6	2490.3	3034.8	4001.3	5112.1	5741.1	5058.0	4744.3	3098.8	1734.9
57.5°	1208.0	1196.5	1520.9	2019.9	3127.9	4669.3	5804.3	5381.1	4825.5	3023.7	1600.0
60°	470.3	468.3	589.7	980.0	1901.0	3798.7	5485.7	5575.1	4876.3	2931.5	1487.3
62.5°	284.6	290.7	310.4	440.0	839.8	2359.9	4751.3	5354.5	4910.4	2847.0	1394.2
65°	235.4	235.8	238.2	302.2	402.3	987.4	3576.9	4628.7	4826.3	2696.5	1262.1
67.5°	201.7	205.4	214.9	239.9	283.8	433.0	2059.3	3585.5	4315.0	2346.3	1056.3
70°	159.1	164.0	175.9	197.2	219.0	271.0	761.1	2385.7	3296.4	1768.6	798.8
72.5°	134.1	133.7	139.8	160.3	173.9	190.7	292.8	1336.8	1915.8	844.3	395.3
75°	103.7	107.8	115.6	134.1	142.3	138.2	158.7	488.4	686.4	255.9	134.5
77.5°	81.2	84.5	91.4	109.5	117.7	98.0	91.4	174.7	220.6	91.9	60.7
80°	36.5	39.4	62.3	80.8	96.0	67.7	49.6	89.4	98.0	41.8	30.8
82.5°	6.6	11.1	36.5	42.6	49.2	43.9	25.8	46.3	48.0	16.8	10.7
85°	0.4	0.8	12.7	15.6	19.7	14.4	7.8	18.5	16.0	5.7	4.1
87.5°	0.0	0.0	0.0	0.4	0.4	2.1	2.5	3.3	2.5	2.1	1.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5	1602.5
2.5°	1576.7	1518.4	1461.8	1415.5	1388.4	1342.5	1312.2	1307.2	1294.5	1305.6
5°	1546.3	1442.2	1336.8	1242.5	1165.0	1064.9	990.3	958.7	931.2	940.7
7.5°	1532.0	1367.5	1203.5	1042.4	876.7	716.8	597.9	548.2	510.5	515.8
10°	1512.7	1290.0	1032.9	786.9	565.1	407.2	325.2	294.8	278.0	278.4
12.5°	1497.9	1197.4	834.9	533.5	344.0	260.0	234.6	227.2	222.2	222.7
15°	1490.5	1088.3	639.3	355.5	246.0	220.2	214.0	210.8	207.5	207.1
17.5°	1478.2	966.9	467.9	259.6	215.3	206.3	200.9	197.2	193.1	192.3
20°	1459.8	829.1	342.0	219.4	201.7	194.8	187.4	182.5	177.6	176.7
22.5°	1425.8	683.6	262.8	203.0	191.9	184.1	175.1	169.4	164.4	163.6
25°	1362.6	547.0	221.4	192.7	183.3	173.9	164.0	156.2	151.7	150.9
27.5°	1282.6	429.7	200.9	183.3	172.2	163.6	152.5	145.2	141.1	140.2
30°	1188.3	330.9	189.0	172.6	159.1	151.7	141.9	135.7	133.3	133.3
32.5°	1086.6	264.5	184.1	162.0	147.6	139.4	131.6	129.2	128.3	127.9
35°	991.1	229.6	181.7	153.4	137.4	129.6	126.3	126.7	128.3	128.3
37.5°	906.2	218.6	180.4	147.2	128.3	121.4	123.4	127.1	125.5	125.5
40°	829.5	219.8	179.6	142.7	121.0	116.9	121.0	118.1	114.0	113.6
42.5°	770.9	230.0	178.0	139.0	116.5	113.6	111.9	107.4	107.0	107.8
45°	728.3	239.1	177.6	137.4	111.5	106.2	104.2	99.6	107.8	109.9
47.5°	677.8	239.1	177.6	131.6	103.3	101.3	98.0	93.1	101.3	103.3
50°	612.6	223.9	170.6	125.1	96.8	95.5	89.8	83.7	82.0	83.2
52.5°	530.2	196.4	152.9	116.0	90.2	87.8	80.8	76.3	75.0	75.0
55°	436.3	164.4	129.2	102.9	83.2	78.7	73.8	71.8	70.5	69.7
57.5°	*354.7*	*134.9*	*103.7*	*91.4*	*76.7*	*70.9*	*69.3*	*66.8*	*64.8*	*63.6*
60°	291.1	106.2	85.7	81.2	70.1	64.8	64.4	61.1	55.8	54.9
62.5°	224.7	77.9	72.2	70.5	63.6	59.0	58.2	51.7	43.5	41.8
65°	158.7	60.7	58.2	61.9	56.6	52.5	50.4	40.6	32.0	30.8
67.5°	111.5	50.8	45.9	54.1	49.2	43.9	42.6	34.4	26.7	25.8
70°	79.6	41.4	37.7	46.3	39.4	38.5	36.1	28.7	21.7	20.9
72.5°	56.2	31.6	29.1	40.2	27.1	33.2	29.5	22.1	16.4	15.6
75°	41.4	22.6	20.5	23.4	19.7	25.0	20.9	14.8	10.3	9.8
77.5°	30.3	14.4	12.3	11.5	11.5	15.6	11.5	6.2	4.5	4.1
80°	21.3	6.6	5.7	4.9	4.5	3.7	1.6	0.8	0.4	0.4
82.5°	12.7	2.9	2.9	2.1	1.2	0.0	0.0	0.0	0.0	0.0
85°	2.9	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	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


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(END OF REPORT)