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: P1198895

Luminaire Tested: GPC-SB1D-827-U-T3R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1198895
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1D-827-U-T3R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7406 lumens
Efficiency:	N/A
Efficacy:	93.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

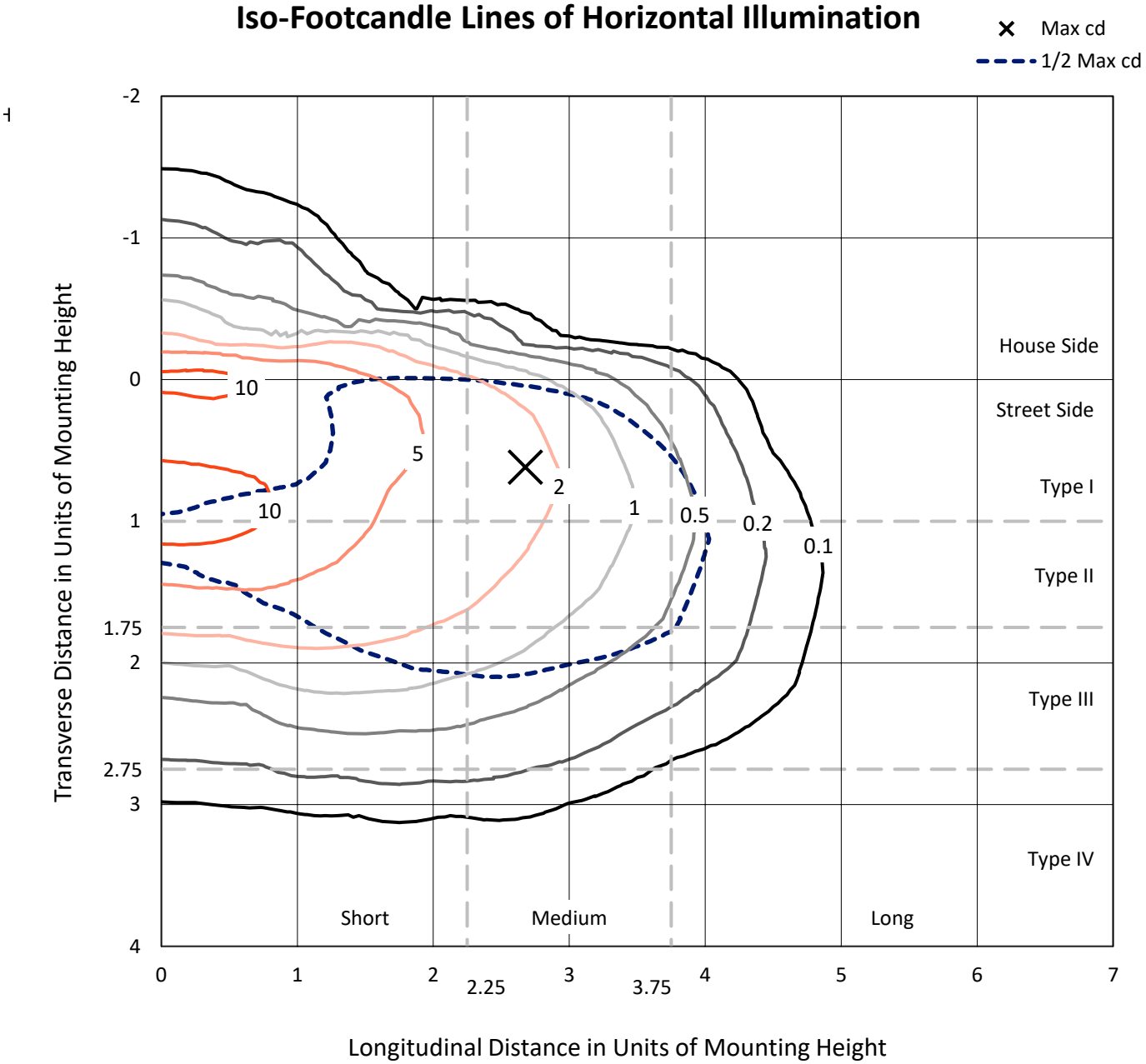


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Iso-Footcandle Lines of Horizontal Illumination



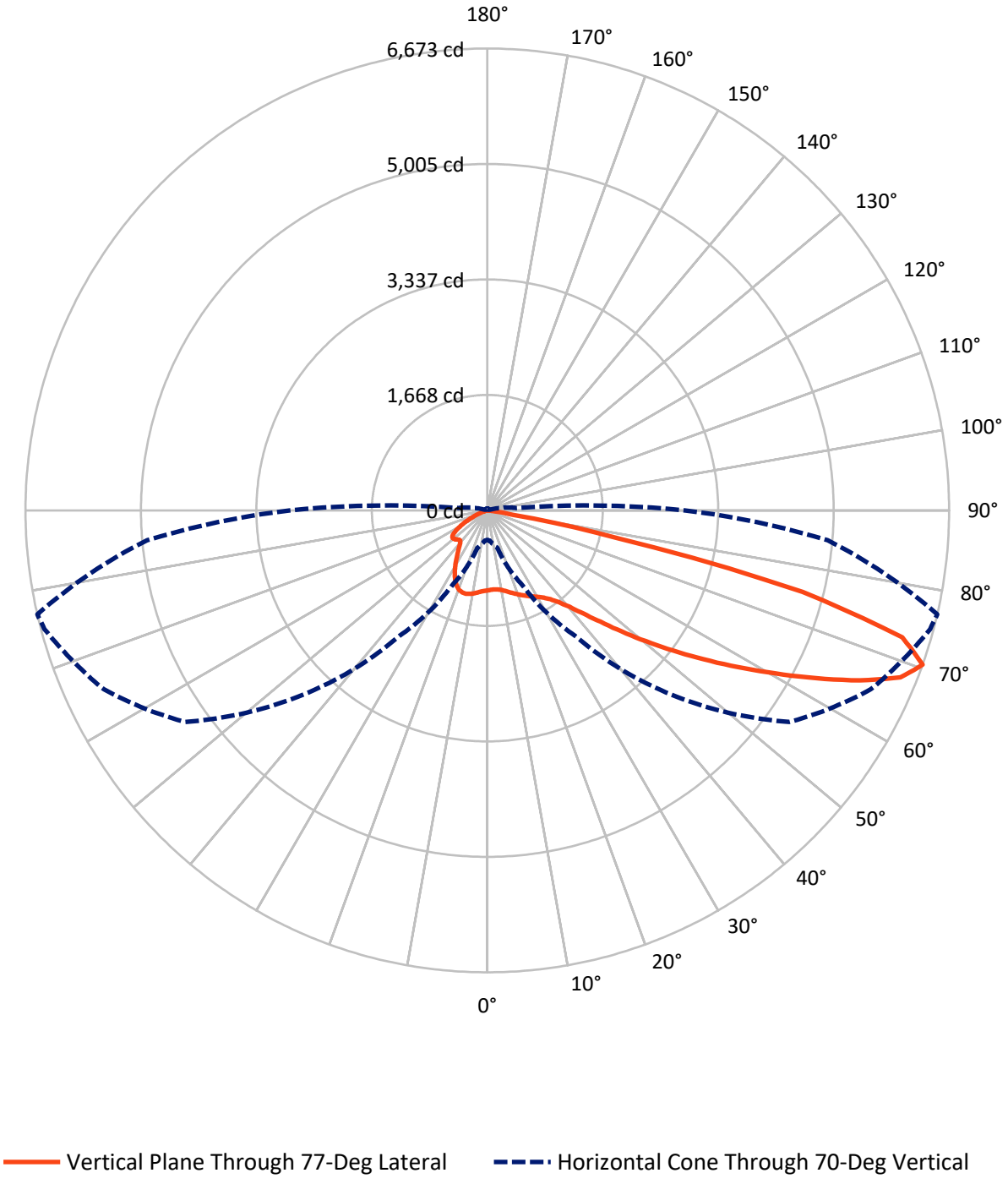
Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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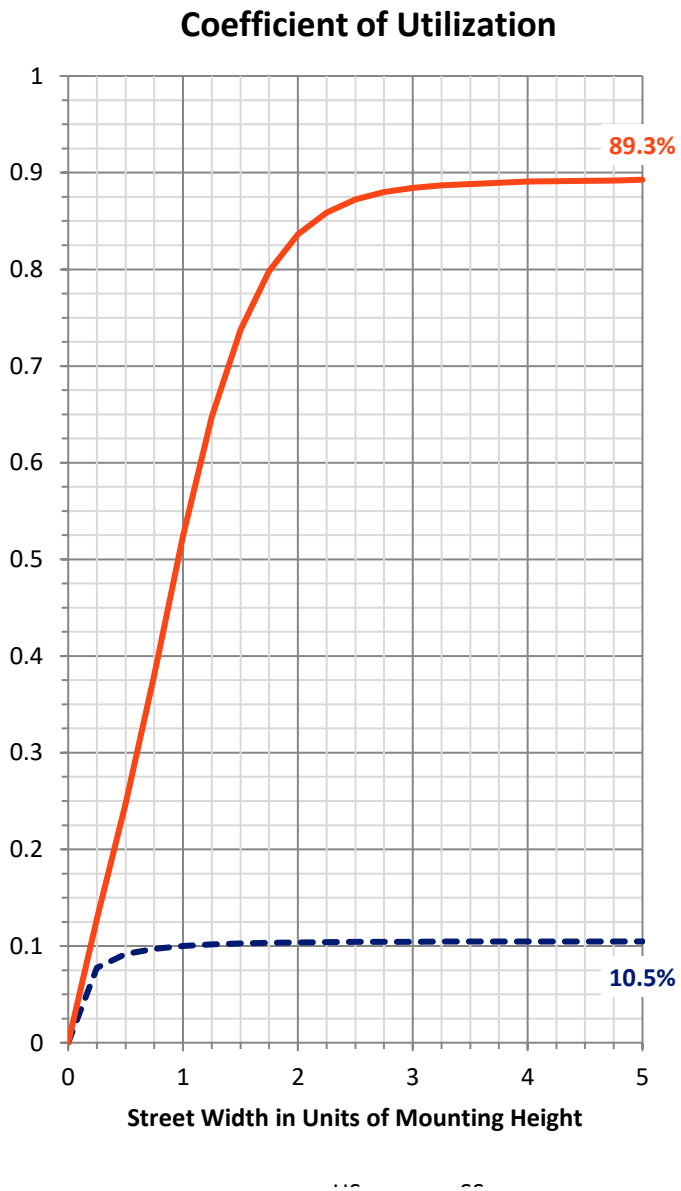
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	780.7	0.0	780.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6625.3	0.0	6625.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	7406.0	0.0	7406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.3
10°-20°	236.3	3.2
20°-30°	365.6	4.9
30°-40°	663.3	9.0
40°-50°	1252.1	16.9
50°-60°	1809.2	24.4
60°-70°	1925.8	26.0
70°-80°	1020.6	13.8
80°-90°	33.5	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°	7406.0	100.0
0°-180°	7406.0	100.0



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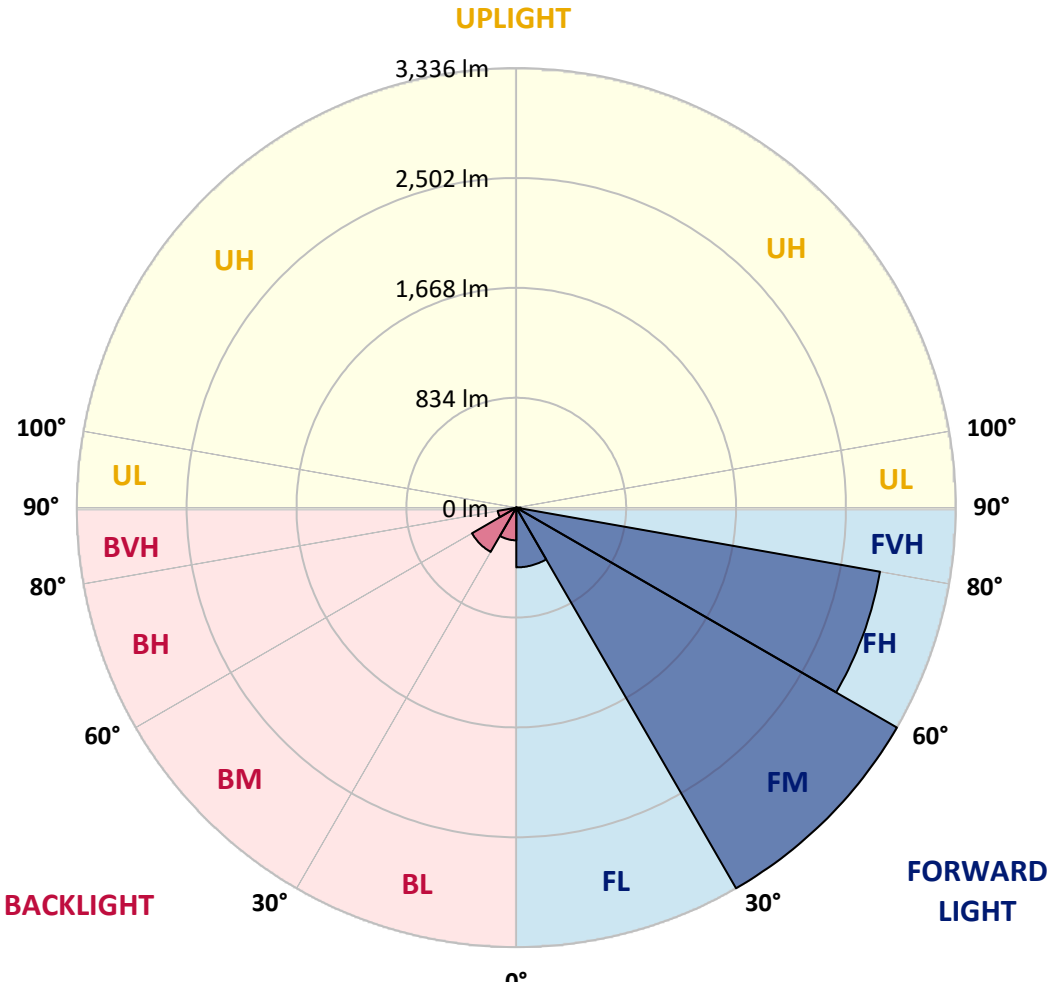
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	453.4	6.1			
FM	(30°-60°)	3336.0	45.0			
FH	(60°-80°)	2803.3	37.9			G2/5000
FVH	(80°-90°)	32.6	0.4			G1/100
BL	(0°-30°)	248.0	3.3	B1/500		
BM	(30°-60°)	388.6	5.2	B1/1000		
BH	(60°-80°)	143.1	1.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2
2.5°	1084.6	1094.4	1093.0	1099.5	1101.9	1111.2	1120.6	1133.2	1147.3	1146.8	1156.1
5°	1023.3	1033.1	1035.5	1044.4	1055.6	1070.1	1089.3	1114.5	1140.7	1144.9	1163.6
7.5°	950.8	961.1	967.2	985.0	1005.5	1035.5	1066.8	1103.8	1147.3	1153.3	1189.3
10°	878.3	887.7	895.6	920.9	953.6	998.1	1049.0	1102.4	1160.8	1169.7	1220.7
12.5°	833.4	842.3	851.2	873.2	913.9	968.1	1037.3	1108.9	1183.3	1195.9	1263.2
15°	817.5	825.5	832.5	852.1	890.0	951.8	1035.0	1122.5	1211.8	1228.6	1314.7
17.5°	819.9	824.1	828.8	843.7	880.7	944.3	1039.2	1145.8	1245.5	1260.4	1366.1
20°	833.4	835.8	836.2	846.5	879.3	943.3	1047.6	1168.3	1277.3	1297.4	1417.1
22.5°	850.7	851.7	850.7	857.7	888.1	950.4	1058.9	1195.4	1312.8	1331.5	1468.6
25°	931.6	913.9	891.4	877.9	903.1	963.9	1075.7	1231.9	1351.6	1369.9	1518.6
27.5°	1182.8	1131.8	1051.4	961.1	934.0	983.6	1099.1	1268.9	1390.9	1407.3	1572.4
30°	1590.6	1523.7	1387.2	1183.7	1033.1	1024.7	1129.5	1305.8	1432.5	1450.3	1629.9
32.5°	1999.4	1983.0	1825.4	1543.9	1256.2	1116.4	1180.0	1355.8	1487.7	1501.8	1707.5
35°	2412.8	2379.6	2250.5	1972.3	1600.0	1303.0	1264.2	1421.3	1560.2	1576.1	1820.7
37.5°	2729.5	2709.3	2629.4	2400.2	2007.8	1591.1	1408.2	1522.8	1665.5	1683.2	1965.7
40°	3009.1	2999.8	2972.7	2821.6	2463.8	1968.1	1632.2	1680.0	1811.4	1832.4	2143.4
42.5°	3229.0	3250.9	3266.4	3224.3	2933.8	2398.3	1933.4	1900.7	2014.8	2036.3	2369.8
45°	3453.9	3461.4	3523.6	3584.4	3400.6	2848.3	2273.0	2159.3	2267.8	2294.5	2641.1
47.5°	3598.4	3628.4	3737.8	3844.9	3793.0	3294.4	2637.8	2464.7	2561.1	2611.1	2945.1
50°	3609.2	3665.8	3816.4	4003.0	4078.8	3719.1	3034.4	2812.7	2915.1	2970.3	3269.6
52.5°	3430.1	3518.0	3751.4	4024.5	4233.1	4078.8	3444.6	3160.7	3292.1	3364.1	3606.4
55°	2629.8	2744.9	3506.8	3907.6	4239.2	4351.4	3844.0	3523.1	3712.1	3793.5	3970.2
57.5°	2291.2	2349.2	2757.1	3704.6	4126.5	4461.3	4205.0	3868.3	4169.0	4270.0	4314.0
60°	1906.3	1982.6	2312.3	3372.5	3973.5	4472.1	4524.0	4313.5	4664.3	4778.0	4629.2
62.5°	1295.5	1378.3	1706.1	2802.0	3764.5	4466.9	4785.4	4771.9	5214.8	5336.8	4896.3
65°	802.6	854.5	1070.5	2288.0	3472.2	4472.6	5059.0	5328.4	5795.7	5919.6	5103.0
67.5°	634.2	658.0	770.8	1756.7	2968.4	4346.3	5332.2	5851.8	6342.4	6440.6	5166.1
70°	426.1	440.6	560.8	1177.7	2208.4	3763.5	5327.0	6114.6	6623.9	6673.0	4936.0
72.5°	224.5	235.7	327.9	545.3	1333.9	2675.2	4490.3	5800.3	6343.8	6269.9	4219.1
75°	112.2	131.0	220.8	276.9	569.7	1491.9	2788.4	4573.1	4993.1	4706.9	2707.0
77.5°	85.1	102.9	182.4	182.4	198.3	502.3	1180.9	2494.2	2300.6	1915.7	794.6
80°	54.3	70.2	159.5	138.0	82.8	127.7	307.7	698.7	488.7	371.8	144.5
82.5°	31.8	45.8	132.8	91.2	46.3	47.2	87.0	148.7	126.7	98.7	44.4
85°	12.6	29.9	91.2	36.0	18.2	11.7	26.2	31.8	26.2	19.6	11.2
87.5°	0.0	7.0	15.9	0.0	1.4	0.9	1.9	2.3	2.3	1.9	3.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2
2.5°	1160.3	1161.3	1164.1	1164.6	1158.0	1149.6	1146.3	1144.9	1139.3	1138.8	1139.8
5°	1174.4	1178.6	1174.4	1162.2	1133.2	1092.5	1061.7	1036.4	1013.5	1006.5	1002.3
7.5°	1202.4	1206.6	1194.0	1146.3	1073.4	992.4	919.5	868.0	821.7	804.4	797.4
10°	1242.7	1248.3	1208.5	1112.2	983.1	853.1	729.6	642.6	574.8	547.2	535.5
12.5°	1293.2	1295.5	1216.5	1060.3	865.7	680.0	505.1	412.0	351.7	329.3	322.2
15°	1348.8	1345.6	1217.4	989.6	705.7	480.8	329.7	270.8	246.5	239.0	239.0
17.5°	1407.3	1393.7	1198.7	887.7	530.4	328.8	244.6	230.6	226.4	224.5	224.0
20°	1464.8	1434.4	1164.6	754.4	380.7	245.5	222.2	217.9	215.6	214.7	213.7
22.5°	1517.2	1465.3	1106.1	599.6	276.4	217.0	210.0	206.3	202.0	200.2	199.7
25°	1568.2	1483.1	1023.8	455.1	221.2	203.0	197.4	190.4	184.7	182.4	181.5
27.5°	1617.8	1494.3	920.9	336.7	197.4	189.9	179.6	169.8	165.6	164.6	163.7
30°	1670.6	1498.0	804.0	251.2	182.9	173.5	158.5	147.3	145.0	145.5	145.5
32.5°	1735.1	1503.6	686.1	205.8	170.7	153.9	136.1	124.4	122.5	124.4	123.9
35°	1812.3	1514.9	572.5	189.4	160.0	133.8	114.6	104.8	102.9	104.3	103.8
37.5°	1917.1	1533.1	466.3	186.1	151.1	116.9	96.3	88.4	88.4	88.9	88.4
40°	2056.4	1581.7	371.3	183.8	146.4	104.3	81.4	78.1	79.5	80.4	80.4
42.5°	2226.2	1685.1	307.3	181.0	141.2	98.7	73.9	72.5	74.8	75.8	75.8
45°	2416.6	1816.1	284.8	176.3	136.6	102.4	70.6	68.8	71.6	72.0	72.5
47.5°	2613.5	1944.2	282.0	171.2	131.9	108.0	69.7	65.5	68.8	69.2	69.7
50°	2812.7	2027.9	284.8	163.2	124.4	108.0	70.2	62.2	65.0	66.4	66.9
52.5°	3013.3	2066.3	283.0	145.9	111.3	101.5	70.2	59.4	62.2	63.1	63.1
55°	3207.9	2058.8	254.4	120.2	94.5	89.8	68.3	57.1	58.9	59.4	59.4
57.5°	3361.8	1954.5	201.6	93.5	76.7	74.8	62.2	54.3	55.7	55.2	55.2
60°	3442.2	1725.3	144.0	72.0	60.3	58.9	54.7	50.5	51.4	49.1	48.6
62.5°	3443.2	1422.3	96.3	57.1	48.2	46.8	46.8	45.4	44.4	39.8	38.4
65°	3369.7	1086.0	64.1	45.4	38.8	36.5	39.3	38.8	35.5	29.0	28.1
67.5°	3203.2	711.8	48.6	35.5	29.9	28.5	31.3	32.7	30.4	24.3	23.9
70°	*2860.9*	*414.4*	*40.2*	*27.6*	*22.4*	*21.0*	*25.3*	*28.1*	*25.3*	*19.6*	*18.7*
72.5°	2376.3	223.6	32.7	20.6	15.4	14.0	20.1	22.9	20.1	14.5	14.0
75°	1542.0	119.7	25.3	13.6	8.0	8.9	15.0	16.8	14.0	9.4	8.4
77.5°	517.7	52.8	15.9	6.5	3.7	3.7	8.9	10.3	6.5	3.3	2.8
80°	115.5	22.0	6.5	2.8	1.4	1.4	1.9	1.9	0.9	0.0	0.0
82.5°	37.9	8.9	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.5	3.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	0.5	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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SS

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(END OF REPORT)