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: P1200796

Luminaire Tested: GPC-SB2D-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200796
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18020 lumens
Efficiency:	N/A
Efficacy:	122.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

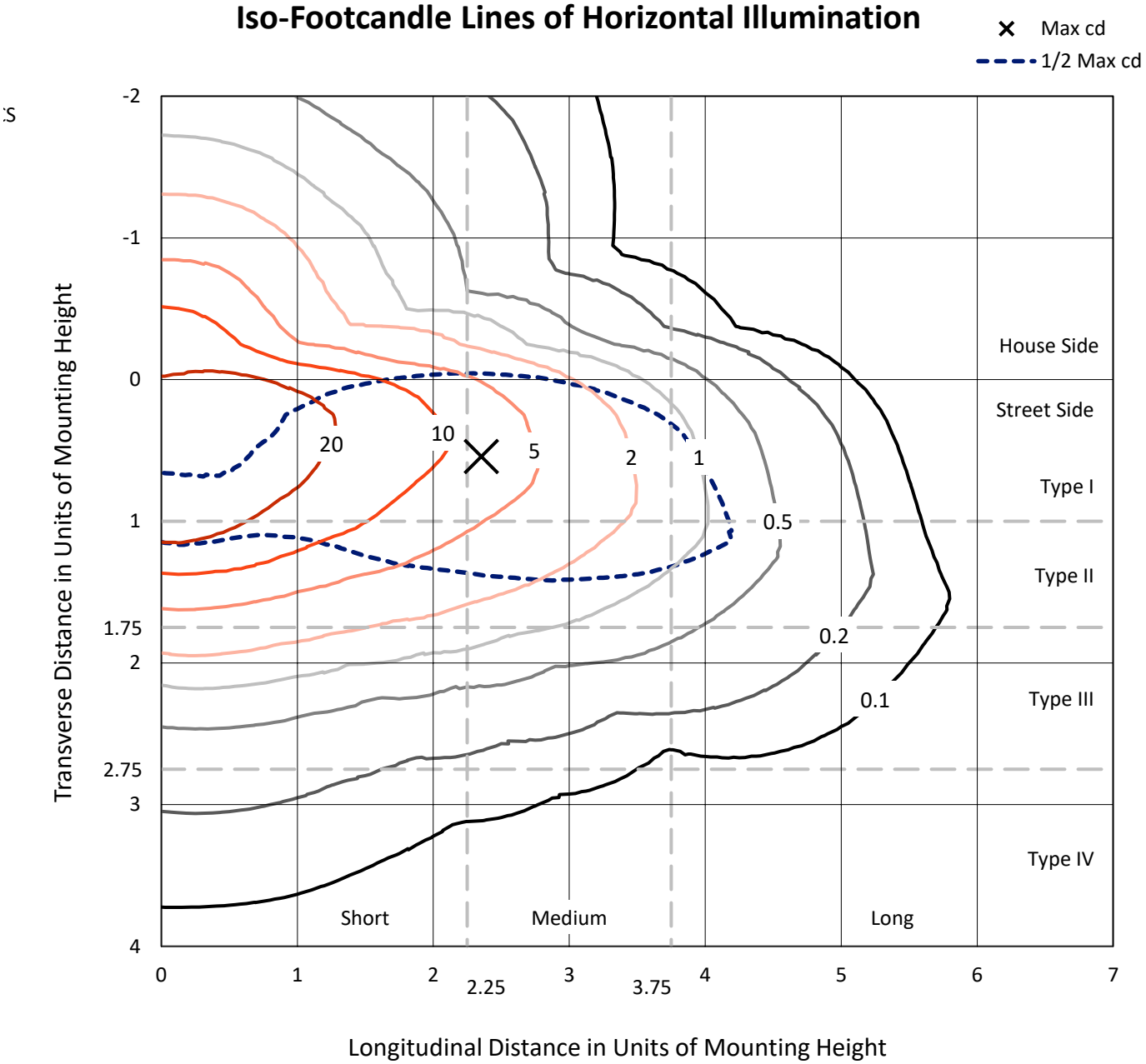


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Iso-Footcandle Lines of Horizontal Illumination



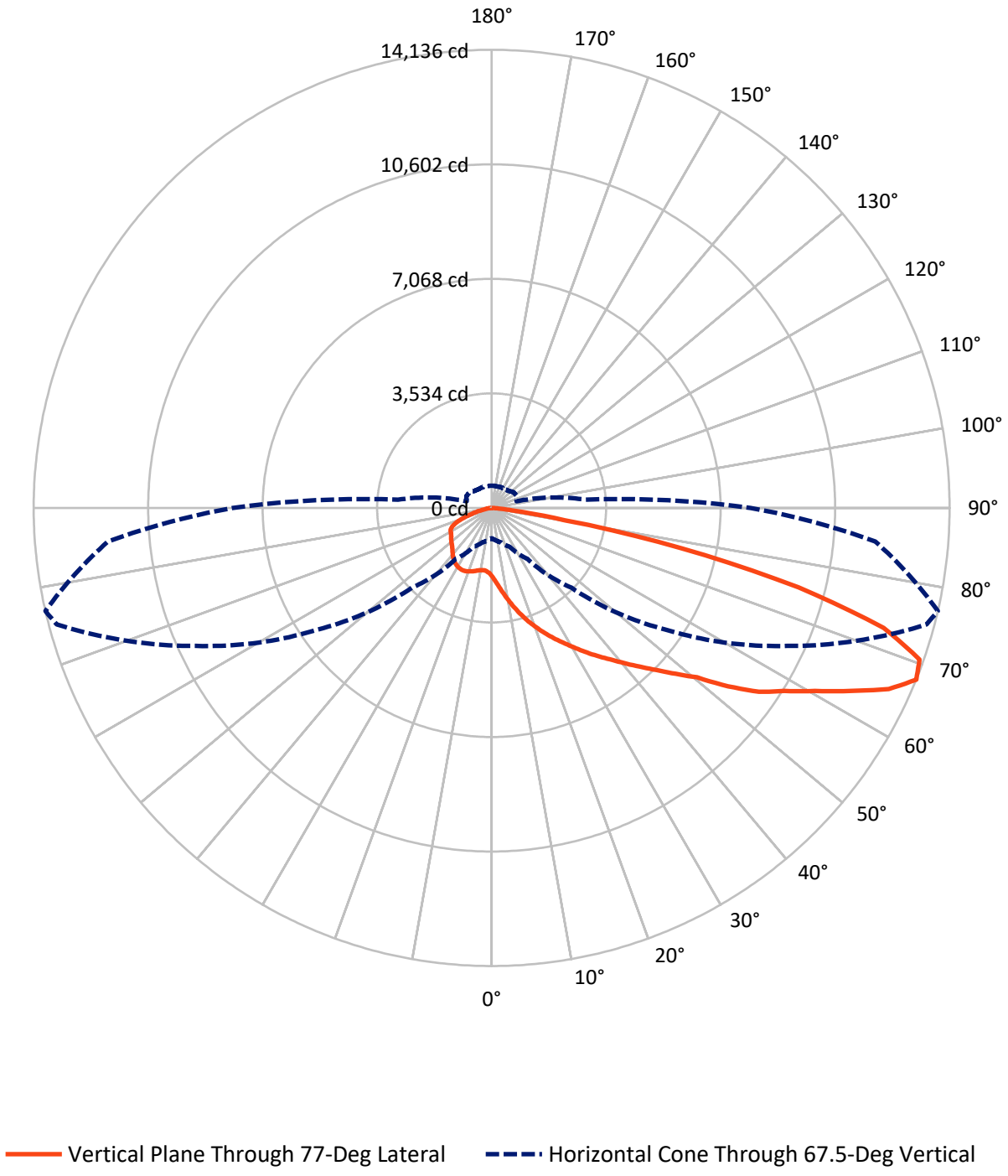
Based on 10 foot mounting height. Maximum calculated value = 41.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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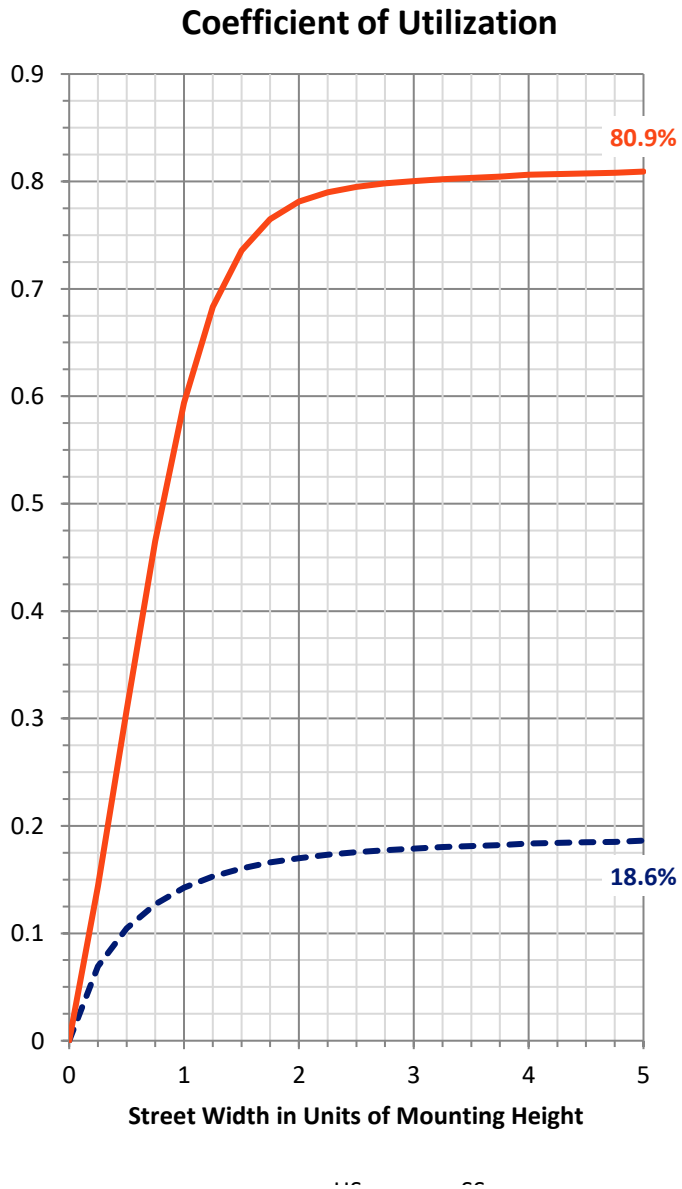
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3408.7	0.0	3408.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	14611.3	0.0	14611.3
	% Fixture	81.1	0.0	81.1
Total	Lumens	18020.0	0.0	18020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	1.3
10°-20°	814.2	4.5
20°-30°	1537.2	8.5
30°-40°	2476.5	13.7
40°-50°	3387.4	18.8
50°-60°	3821.0	21.2
60°-70°	3566.4	19.8
70°-80°	1955.0	10.8
80°-90°	235.8	1.3
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°	18020.0	100.0
0°-180°	18020.0	100.0



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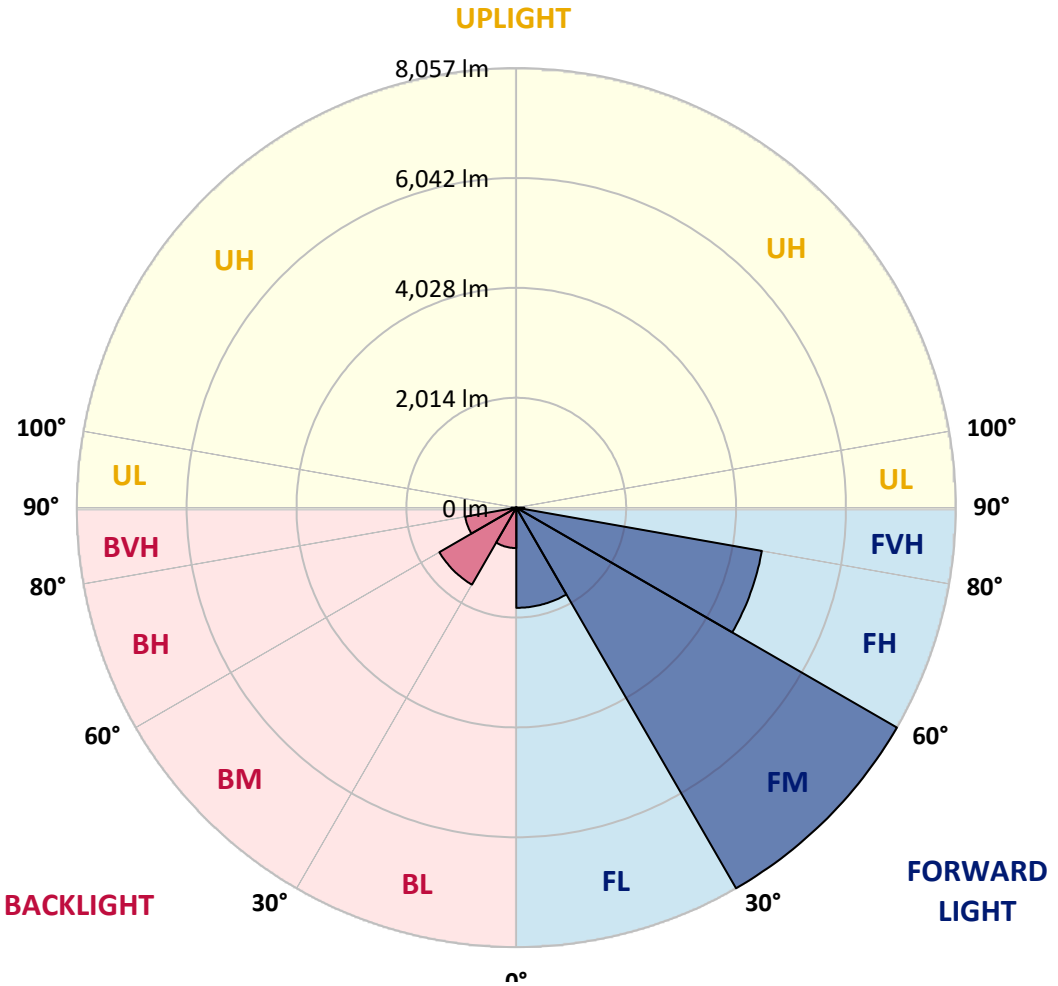
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1836.9	10.2			
FM	(30°-60°)	8056.5	44.7			
FH	(60°-80°)	4570.4	25.4			G2/5000
FVH	(80°-90°)	147.5	0.8			G2/225
BL	(0°-30°)	741.1	4.1	B2/1000		
BM	(30°-60°)	1628.2	9.0	B2/2500		
BH	(60°-80°)	951.0	5.3	B2/1000		G2/1000
BVH	(80°-90°)	88.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	*2114.3*	2114.3
2.5°	2647.3	2665.9	2642.6	2642.6	2564.5	2523.6	2445.5	2385.9	2278.9	*2260.3*	2189.7
5°	3129.1	3152.4	3119.8	3105.9	3013.8	2929.1	2798.0	2668.7	2478.0	*2458.5*	2292.0
7.5°	3502.1	3531.9	3503.1	3488.2	3406.3	3311.5	3158.0	2977.5	2708.7	*2670.6*	2429.6
10°	3806.3	3811.0	3801.7	3807.2	3743.1	3664.9	3507.7	3297.5	2961.7	*2909.6*	2596.1
12.5°	3978.4	3999.8	4018.4	4051.9	4040.7	3992.3	3851.0	3599.8	3229.6	*3162.6*	2777.5
15°	4059.3	4096.5	4138.4	4215.6	4277.9	4290.0	4182.1	3924.4	3502.1	*3421.2*	2960.8
17.5°	4088.2	4123.5	4189.5	4301.2	4435.1	4525.3	4477.0	4239.8	3771.9	*3678.9*	3153.3
20°	4234.2	4244.4	4284.4	4390.5	4535.6	4685.3	4721.6	4543.0	4038.9	*3933.7*	3352.4
22.5°	4546.7	4526.3	4537.4	4585.8	4690.0	4835.1	4917.9	4810.9	4313.3	*4192.3*	3553.3
25°	5063.0	5003.5	4943.9	4888.1	4941.1	5023.0	5116.9	5078.8	4600.7	*4447.2*	3756.1
27.5°	5715.0	5642.5	5511.3	5328.1	5263.9	5292.7	5334.6	5327.2	4866.7	*4711.4*	3965.4
30°	6356.9	6272.2	6116.0	5850.9	5681.6	5605.3	5573.7	5552.3	5156.0	*4990.4*	4176.5
32.5°	6869.4	6802.4	6648.9	6352.2	6106.7	5976.4	5871.3	5795.0	5458.3	*5292.7*	4399.8
35°	7317.7	7255.4	7079.6	6755.9	6489.0	6350.4	6212.7	6049.9	5772.7	*5605.3*	4639.8
37.5°	7727.0	7664.7	7423.8	7087.1	6818.2	6722.4	6599.6	6323.4	6088.0	*5929.9*	4893.7
40°	7985.6	7971.7	7746.6	7365.2	7086.1	7038.7	6997.8	6640.6	6437.8	*6290.8*	5172.7
42.5°	8051.7	8082.4	7903.8	7590.3	7324.3	7286.1	7381.9	6999.6	6830.3	*6689.9*	5489.0
45°	7892.6	7981.0	7863.8	7650.8	7493.6	7473.1	7722.4	7392.2	7264.7	*7136.4*	5870.4
47.5°	7489.8	7639.6	7591.2	7561.5	7539.1	7627.5	8021.9	7808.9	7756.8	*7645.2*	6305.7
50°	6676.9	6960.6	7045.2	7233.1	7448.9	7747.5	8294.4	8263.7	8331.6	*8219.1*	6835.9
52.5°	5271.3	5662.0	6153.2	6623.8	7171.7	7707.5	8594.0	8916.7	9203.2	*9141.8*	7678.7
55°	4351.4	4527.2	4904.9	5768.1	6634.1	7539.1	8728.8	9444.1	10068.3	*10013.4*	8317.7
57.5°	3644.5	3801.7	4034.2	4755.1	5821.1	7156.8	8812.6	9766.0	10660.8	*10655.2*	8948.4
60°	2886.4	3052.9	3291.0	3801.7	4871.4	6496.4	8793.9	10132.5	11417.1	*11463.6*	9717.6
62.5°	2030.6	2213.8	2478.0	2954.3	3901.2	5640.6	8414.4	10397.6	12307.3	*12433.8*	10643.2
65°	1334.8	1455.7	1654.8	2065.9	2906.8	4540.2	7689.8	10432.0	13259.8	*13473.7*	11511.9
67.5°	*935.8*	*982.3*	*1099.5*	*1322.7*	*1916.2*	*3481.7*	*6535.5*	*10075.7*	*13895.1*	*14136.0*	*11888.7*
70°	730.2	753.4	813.0	902.3	1203.7	2341.3	5008.1	9149.3	13759.3	*14010.4*	11495.2
72.5°	630.7	653.0	675.3	686.5	807.4	1445.5	3392.4	7649.8	12480.3	*12650.5*	9994.8
75°	572.1	577.6	596.2	592.5	615.8	937.6	1958.0	5573.7	9846.9	*9788.3*	7378.2
77.5°	480.9	488.3	519.0	514.4	546.9	640.9	1016.7	3597.0	6383.8	*5985.7*	4106.8
80°	407.4	411.1	444.6	439.0	475.3	464.2	519.0	1833.4	2707.8	*2293.8*	1184.1
82.5°	141.4	174.9	339.5	349.7	362.8	280.9	299.5	747.9	826.9	*633.5*	248.4
85°	68.8	73.5	173.0	245.6	244.6	141.4	146.0	267.0	260.5	*204.6*	82.8
87.5°	11.2	14.0	20.5	95.8	76.3	37.2	50.2	52.1	54.0	*46.5*	18.6
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°	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3	2114.3
2.5°	2137.6	2091.1	1993.4	1903.2	1832.5	1764.6	1726.4	1693.9	1675.3	1671.5	1671.5
5°	2195.2	2099.4	1921.8	1772.0	1674.3	1601.8	1563.6	1539.5	1527.4	1519.9	1519.0
7.5°	2278.0	2137.6	1884.6	1714.3	1612.0	1559.9	1540.4	1536.7	1535.7	1536.7	1539.5
10°	2392.4	2199.9	1880.8	1700.4	1614.8	1586.0	1585.0	1586.0	1589.7	1590.6	1591.5
12.5°	2516.1	2264.1	1895.7	1712.5	1650.1	1634.3	1631.5	1630.6	1633.4	1635.3	1636.2
15°	2651.0	2348.7	1920.8	1738.5	1689.2	1672.5	1669.7	1664.1	1663.2	1662.2	1661.3
17.5°	2789.6	2432.4	1948.7	1766.4	1714.3	1691.1	1680.8	1667.8	1657.6	1654.8	1657.6
20°	2930.1	2515.2	1968.3	1780.4	1716.2	1683.6	1663.2	1640.8	1623.2	1612.9	1616.7
22.5°	3079.8	2601.7	1980.4	1776.6	1699.4	1654.8	1617.6	1591.5	1564.6	1546.9	1547.8
25°	3225.9	2677.1	1979.4	1757.1	1666.9	1610.1	1562.7	1529.2	1492.0	1473.4	1473.4
27.5°	3366.3	2745.0	1956.2	1722.7	1620.4	1557.1	1500.4	1460.4	1424.1	1406.4	1405.5
30°	3511.4	2801.7	1919.9	1672.5	1565.5	1495.7	1433.4	1399.0	1366.4	1349.7	1348.8
32.5°	3655.6	2853.8	1868.7	1610.1	1502.2	1435.3	1373.9	1342.3	1322.7	1322.7	1323.7
35°	3808.2	2890.1	1800.8	1537.6	1435.3	1371.1	1322.7	1304.1	1302.3	1291.1	1288.3
37.5°	3969.1	2913.3	1718.0	1463.2	1369.2	1308.8	1293.9	1271.6	1253.0	1228.8	1225.1
40°	4138.4	2936.6	1618.5	1386.0	1299.5	1266.0	1259.5	1229.7	1176.7	1117.1	1108.8
42.5°	4344.0	2952.4	1515.3	1308.8	1226.0	1214.8	1224.1	1173.0	1088.3	1043.7	1044.6
45°	4582.1	2978.4	1420.4	1232.5	1150.6	1150.6	1189.7	1122.7	1053.0	1025.1	1029.7
47.5°	4890.9	3038.9	1332.0	1148.8	1080.9	1099.5	1113.4	1062.3	1023.2	988.8	987.9
50°	5337.4	3184.0	1240.9	1064.1	1027.9	1065.1	1045.5	1015.8	970.2	942.3	939.5
52.5°	5891.8	3269.6	1159.9	987.9	982.3	1019.5	991.6	963.7	929.3	892.0	884.6
55°	6269.4	3285.4	1092.0	932.0	951.6	947.9	937.6	912.5	893.9	844.6	845.5
57.5°	6691.7	3317.0	1036.2	898.6	932.0	891.1	887.4	866.0	841.8	808.3	797.2
60°	7196.8	3366.3	987.9	885.5	915.3	853.9	835.3	826.9	802.7	786.0	790.7
62.5°	7747.5	3411.0	938.6	887.4	895.8	817.6	789.7	786.9	772.1	766.5	766.5
65°	8123.3	3289.1	877.2	885.5	865.1	780.4	745.1	744.1	732.1	730.2	729.3
67.5°	*7992.1*	*2903.1*	*794.4*	*859.5*	*833.4*	*743.2*	*704.1*	*700.4*	*684.6*	*685.5*	*685.5*
70°	7335.4	2352.4	680.0	795.3	794.4	709.7	661.4	649.3	627.9	631.6	635.3
72.5°	6103.9	1743.2	526.5	688.3	732.1	679.0	612.1	592.5	565.6	569.3	568.3
75°	4408.1	1185.1	383.2	523.7	637.2	642.8	563.7	530.2	497.6	503.2	505.1
77.5°	2255.7	671.6	281.8	360.9	500.4	584.2	520.0	475.3	467.9	520.0	512.5
80°	735.8	336.7	195.3	253.0	328.4	478.1	455.8	404.6	402.8	414.9	356.3
82.5°	219.5	142.3	125.6	166.5	181.4	366.5	393.5	306.0	263.2	277.2	286.5
85°	75.3	68.8	71.6	82.8	86.5	214.9	275.3	202.8	191.6	211.2	208.4
87.5°	17.7	24.2	20.5	18.6	18.6	52.1	107.0	84.6	117.2	78.1	75.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)