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-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P953500

Luminaire Tested: **GLAN-SB7A-740-U-T3R**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P953500
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB7A-740-U-T3R
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34648 lumens
Efficiency:	N/A
Efficacy:	174.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	199.1
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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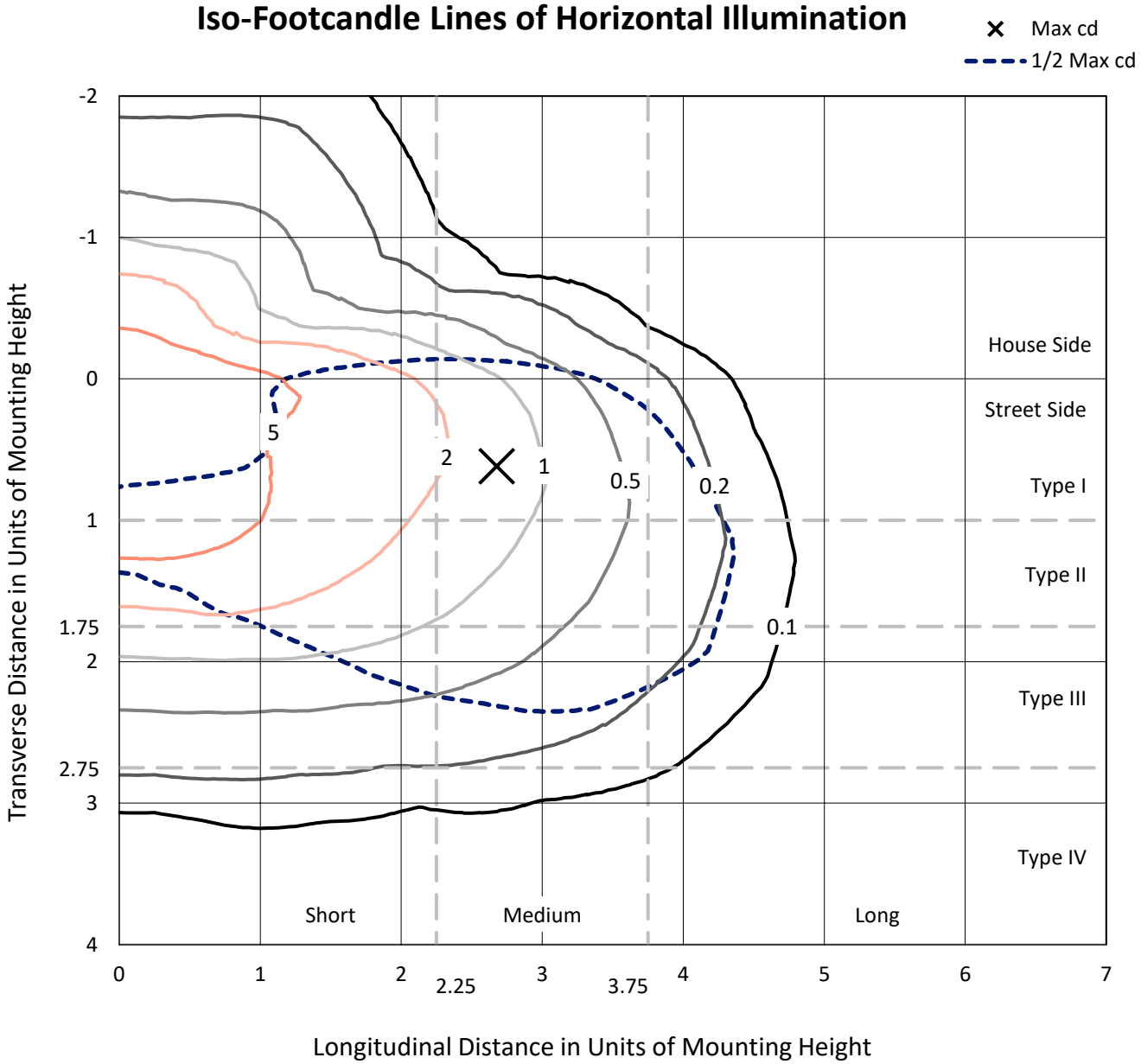
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type III - Medium - N/A

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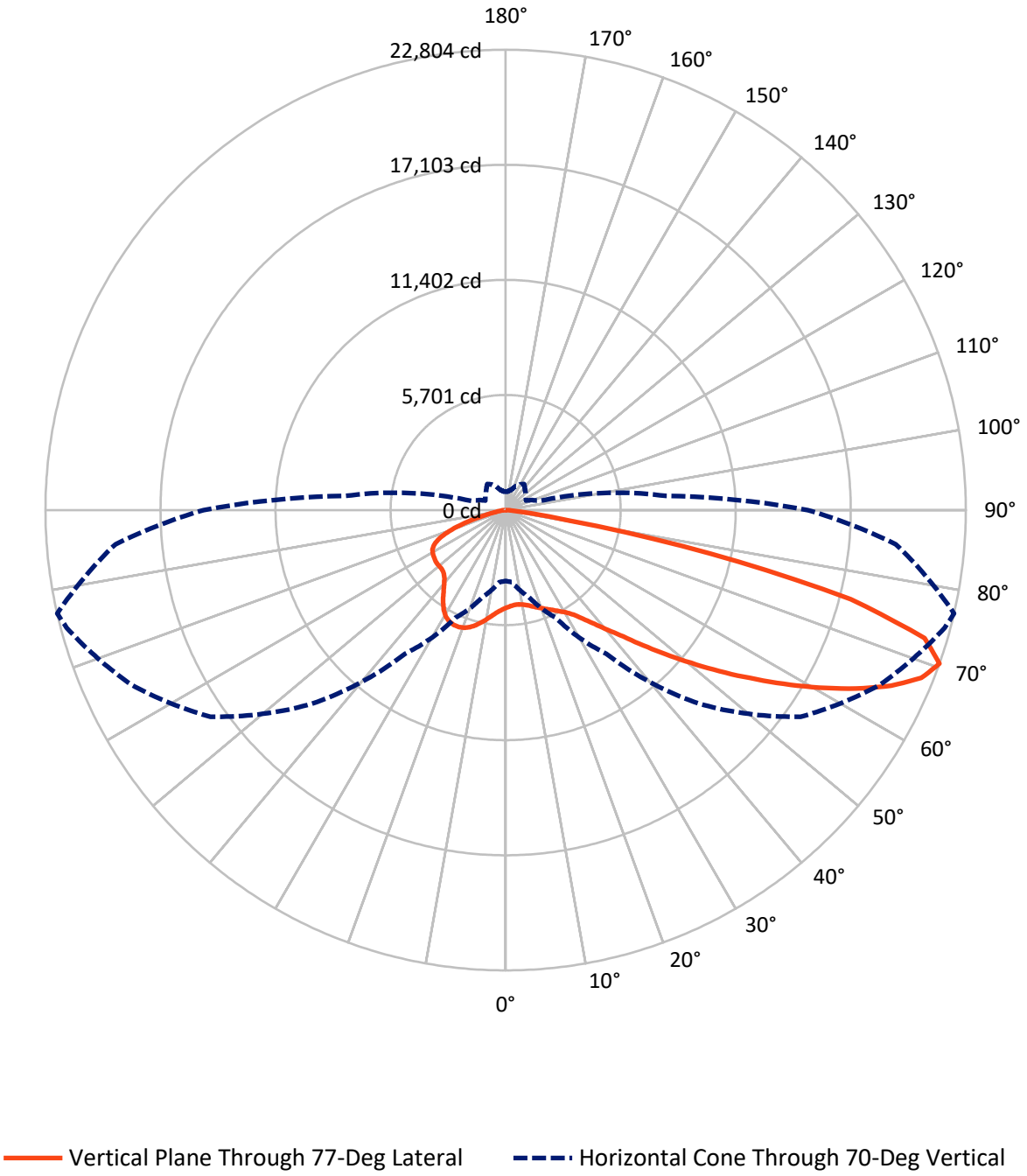
Luminous Intensity Polar Plot



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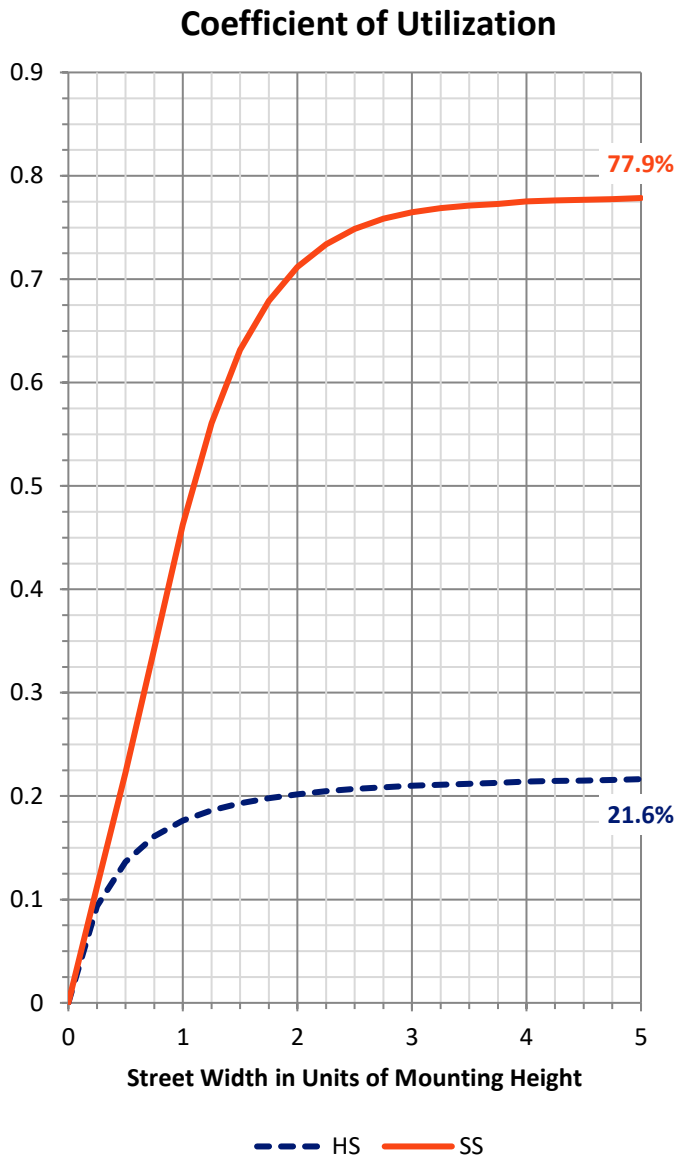
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7587.4	0.0	7587.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27060.6	0.0	27060.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	34648.0	0.0	34648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.0	1.3
10°-20°	1330.5	3.8
20°-30°	2275.4	6.6
30°-40°	3659.0	10.6
40°-50°	5712.7	16.5
50°-60°	7630.8	22.0
60°-70°	8133.2	23.5
70°-80°	5006.8	14.5
80°-90°	438.7	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°	34648.0	100.0
0°-180°	34648.0	100.0



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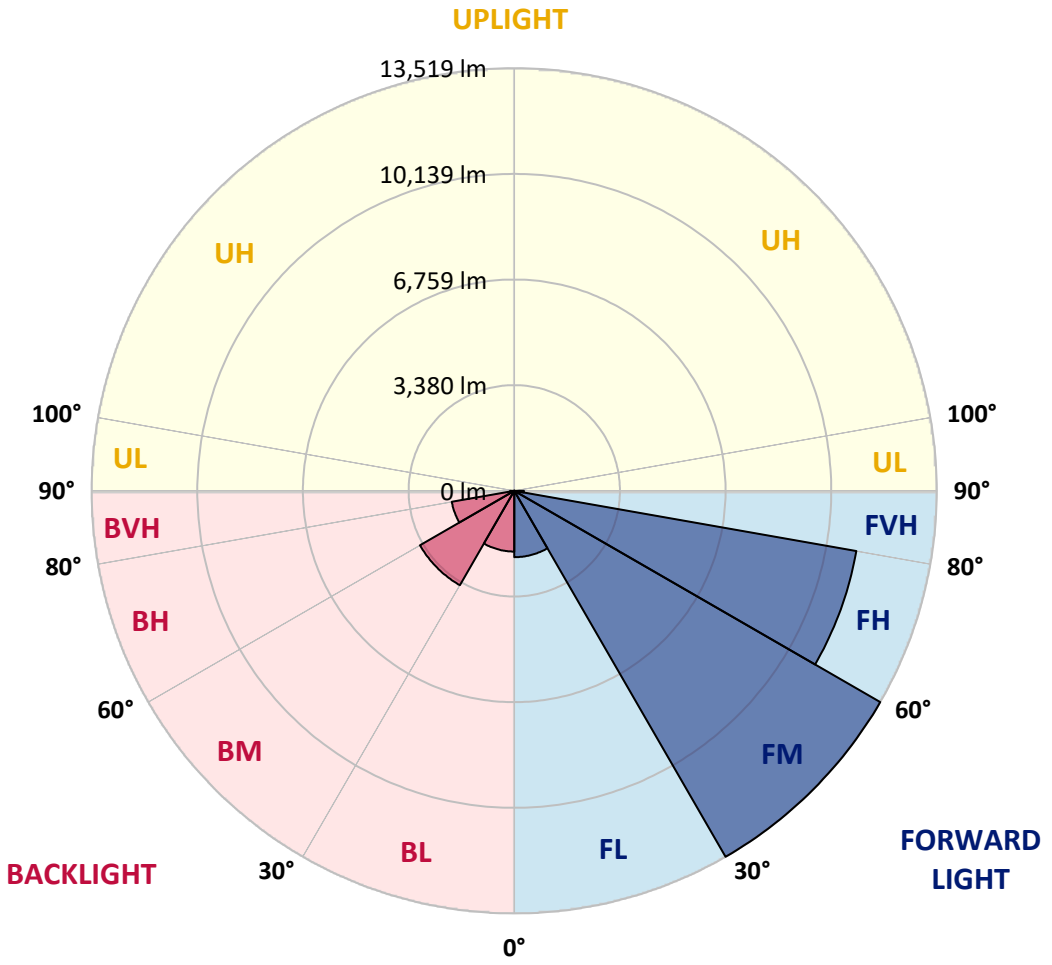
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2122.7	6.1			
FM	(30°-60°)	13518.9	39.0			
FH	(60°-80°)	11112.2	32.1			G4/12000
FVH	(80°-90°)	306.8	0.9			G3/500
BL	(0°-30°)	1944.1	5.6	B3/2500		
BM	(30°-60°)	3483.5	10.1	B3/5000		
BH	(60°-80°)	2027.8	5.9	B3/2500		G3/2500
BVH	(80°-90°)	131.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	*4833.7*
2.5°	4455.7	4454.0	4477.0	4484.1	4526.7	4556.9	4613.7	4674.0	4752.1	*4761.0*
5°	4198.4	4198.4	4225.1	4253.5	4308.5	4368.8	4455.7	4560.4	4695.3	*4716.6*
7.5°	3980.2	3994.4	4017.4	4072.5	4136.3	4223.3	4356.4	4505.4	4682.9	*4716.6*
10°	3804.5	3820.5	3848.9	3893.2	3989.1	4109.7	4283.6	4475.3	4713.0	*4766.3*
12.5°	3749.5	3765.5	3781.4	3815.2	3903.9	4045.8	4253.5	4489.5	4785.8	*4839.0*
15°	3877.3	3896.8	3884.4	3875.5	3921.6	4051.2	4267.6	4540.9	4876.3	*4952.6*
17.5°	4171.8	4178.9	4150.5	4067.1	4060.0	4129.2	4335.1	4611.9	4989.9	*5073.3*
20°	4647.4	4635.0	4576.4	4411.4	4317.3	4303.1	4450.4	4718.4	5107.0	*5195.7*
22.5°	5293.3	5279.1	5162.0	4901.1	4691.8	4553.3	4617.2	4856.8	5238.3	*5337.7*
25°	6098.9	6079.4	5907.3	5552.4	5227.6	4885.2	4844.4	5039.6	5399.8	*5492.0*
27.5°	7039.4	7023.4	6837.1	6368.6	5900.2	5339.4	5126.5	5254.3	5568.4	*5673.0*
30°	8050.9	8097.0	7766.9	7263.0	6670.3	5932.1	5506.2	5518.7	5786.6	*5880.7*
32.5°	9239.8	9319.6	8922.1	8283.3	7474.2	6576.3	5985.4	5887.8	6104.2	*6182.3*
35°	10418.0	10508.5	10178.5	9472.2	8540.6	7335.7	6485.8	6311.9	6526.6	*6611.8*
37.5°	11436.6	11557.3	11386.9	10772.9	9681.6	8251.4	7138.8	6810.5	7046.5	*7153.0*
40°	12240.4	12425.0	12412.6	12029.3	11026.7	9362.2	7967.5	7426.2	7692.4	*7807.8*
42.5°	12893.4	13053.2	13191.6	13172.0	12430.3	10623.9	8941.7	8226.5	8428.8	*8561.9*
45°	13344.2	13514.5	13812.6	14133.8	13780.7	11974.3	10057.8	9175.9	9360.4	*9561.0*
47.5°	13747.0	13940.4	14327.2	14836.5	14927.0	13330.0	11280.4	10281.4	10450.0	*10657.6*
50°	13782.5	13949.3	14549.0	15271.3	15741.5	14632.4	12593.6	11521.8	11679.7	*11901.5*
52.5°	12925.4	13188.0	14235.0	15258.8	16115.9	15722.0	13897.8	12811.8	12989.3	*13255.4*
55°	10033.0	10418.0	13314.0	14783.3	15982.8	16426.5	15138.2	14183.5	14410.6	*14689.2*
57.5°	8641.8	8810.3	10568.9	13917.3	15376.0	16609.2	16185.1	15569.4	15934.9	*16240.1*
60°	7766.9	7907.1	8947.0	12570.5	14577.4	16320.0	16994.3	16861.2	17492.9	*17856.7*
62.5°	6830.0	6963.1	7908.9	10496.1	13555.3	15839.1	17505.3	18053.7	19090.0	*19487.5*
65°	5900.2	6013.7	6920.5	8819.2	12256.4	15358.2	17769.7	19084.6	20568.1	*20979.8*
67.5°	4863.9	4957.9	5815.0	7440.4	10677.1	14699.9	17901.1	19895.6	21854.6	*22207.7*
70°	*3509.9*	*3582.7*	*4468.2*	*5884.2*	*8695.0*	*13567.8*	*17847.8*	*20470.5*	*22521.8*	*22804.0*
72.5°	1659.1	1724.8	2764.7	3820.5	6141.5	11363.8	16770.7	20014.5	21844.0	*21703.8*
75°	885.5	942.3	1588.2	2095.7	3243.8	7790.0	13723.9	17240.9	18342.9	*17661.5*
77.5°	599.8	644.1	983.1	1258.1	1481.7	3698.0	8821.0	11937.0	11484.5	*10359.5*
80°	475.6	521.7	805.6	851.8	716.9	1336.2	3644.8	5525.8	3969.5	*3174.6*
82.5°	365.5	417.0	677.9	617.5	390.4	548.3	1061.1	1747.9	1016.8	*773.7*
85°	223.6	278.6	532.3	393.9	220.0	250.2	360.2	486.2	310.5	*259.1*
87.5°	113.6	159.7	269.7	143.7	99.4	58.6	95.8	95.8	81.6	*71.0*
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4833.7	0°	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7
4808.9	2.5°	4851.5	4886.9	4947.3	5004.1	5048.4	5091.0	5133.6	5156.7	5163.8	5192.2
4835.5	5°	4908.2	4973.9	5091.0	5201.0	5270.2	5312.8	5343.0	5360.7	5364.3	5373.2
4908.2	7.5°	5012.9	5117.6	5280.9	5390.9	5442.4	5438.8	5426.4	5382.0	5364.3	5348.3
5014.7	10°	5160.2	5298.6	5499.1	5575.4	5543.5	5458.3	5348.3	5218.8	5158.4	5099.9
5160.2	12.5°	5343.0	5518.7	5715.6	5712.1	5554.2	5335.9	5080.4	4881.6	4755.6	4665.1
5339.4	15°	5564.8	5767.1	5917.9	5797.3	5451.2	5059.1	4684.7	4425.6	4312.0	4212.6
5520.4	17.5°	5793.7	6010.2	6079.4	5770.6	5192.2	4649.2	4225.1	4021.0	3909.2	3856.0
5715.6	20°	6017.3	6232.0	6175.2	5618.0	4798.2	4184.2	3806.3	3694.5	3671.4	3683.8
5905.5	22.5°	6253.3	6444.9	6194.7	5323.5	4296.0	3708.7	3501.1	3504.6	3556.1	3593.3
6104.2	25°	6494.6	6624.2	6143.3	4897.6	3756.6	3359.1	3307.7	3364.4	3465.6	3538.3
6327.8	27.5°	6727.1	6783.9	6031.5	4370.6	3293.5	3108.9	3117.8	3234.9	3387.5	3488.6
6599.3	30°	6989.7	6925.8	5816.8	3777.9	2972.3	2894.2	2968.7	3105.4	3258.0	3348.5
6941.8	32.5°	7286.1	7048.3	5476.1	3229.6	2745.1	2722.1	2844.5	2933.2	3000.7	3027.3
7396.1	35°	7655.2	7220.4	5039.6	2844.5	2541.1	2596.1	2713.2	2668.8	2642.2	2628.0
8006.5	37.5°	8134.3	7452.9	4528.5	2594.3	2376.0	2505.6	2553.5	2415.1	2310.4	2258.9
8746.5	40°	8711.0	7793.6	4037.0	2400.9	2271.3	2427.5	2344.1	2177.3	2044.2	1971.5
9578.7	42.5°	9351.6	8150.2	3623.5	2255.4	2212.8	2363.6	2189.7	1991.0	1776.3	1753.2
10570.6	45°	10024.1	8517.6	3341.4	2143.6	2184.4	2308.6	2101.0	1779.8	1627.2	1721.3
11566.1	47.5°	10696.6	8854.7	3171.0	2060.2	2170.2	2246.5	2022.9	1662.7	1554.5	1691.1
12632.6	50°	11445.5	9156.4	3094.7	1999.9	2154.2	2221.7	1905.8	1632.5	1478.2	1568.6
13736.3	52.5°	12189.0	9390.6	3037.9	1939.5	2131.2	2202.1	1849.0	1597.0	1385.9	1391.2
14847.2	55°	12930.7	9543.2	2975.8	1859.7	2079.7	2159.6	1843.7	1558.0	1316.7	1291.8
16021.9	57.5°	13722.1	9630.2	2899.5	1770.9	1991.0	2051.3	1838.4	1527.8	1295.4	1254.6
17223.2	60°	14527.8	9757.9	2800.1	1662.7	1872.1	1921.8	1826.0	1517.2	1283.0	1213.8
18355.3	62.5°	15250.0	9802.3	2681.3	1559.8	1719.5	1794.0	1799.3	1508.3	1249.2	1130.4
19295.8	65°	15723.8	9610.6	2473.6	1442.7	1554.5	1662.7	1747.9	1478.2	1188.9	1070.0
19760.7	67.5°	15704.2	9064.1	2148.9	1291.8	1394.7	1517.2	1673.3	1426.7	1116.2	995.5
19409.4	70°	*14973.2*	*7985.2*	*1737.2*	*1116.2*	*1219.1*	*1361.0*	*1577.5*	*1350.4*	*1029.2*	*913.9*
17258.7	72.5°	12842.0	6249.8	1261.7	910.3	1015.0	1199.6	1453.3	1258.1	940.5	841.1
12755.0	75°	9174.1	3955.3	855.3	699.1	789.6	1016.8	1298.9	1149.9	858.9	844.7
6388.2	77.5°	4686.4	1889.8	566.1	511.1	550.1	802.1	1091.3	1027.4	871.3	697.4
1817.1	80°	1524.3	697.4	356.7	347.8	365.5	534.1	844.7	842.9	660.1	473.8
440.1	82.5°	486.2	299.9	232.5	223.6	214.7	335.4	589.1	667.2	445.4	299.9
157.9	85°	193.4	179.2	136.6	126.0	90.5	157.9	308.8	443.6	331.8	216.5
40.8	87.5°	71.0	71.0	37.3	26.6	19.5	53.2	83.4	133.1	189.9	111.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

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180°
4833.7
5208.1
5387.4
5351.9
5082.1
4643.8
4202.0
3871.9
3678.5
3602.2
3557.9
3513.5
3369.8
3041.5
2642.2
2271.3
1976.8
1776.3
1770.9
1755.0
1636.1
1428.5
1309.6
1259.9
1219.1
1130.4
1070.0
1000.8
924.5
835.8
796.7
621.1
418.8
298.1
221.8
110.0
0.0

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