

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: P853137

Luminaire Tested: **GLAN-SB9A-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31579 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

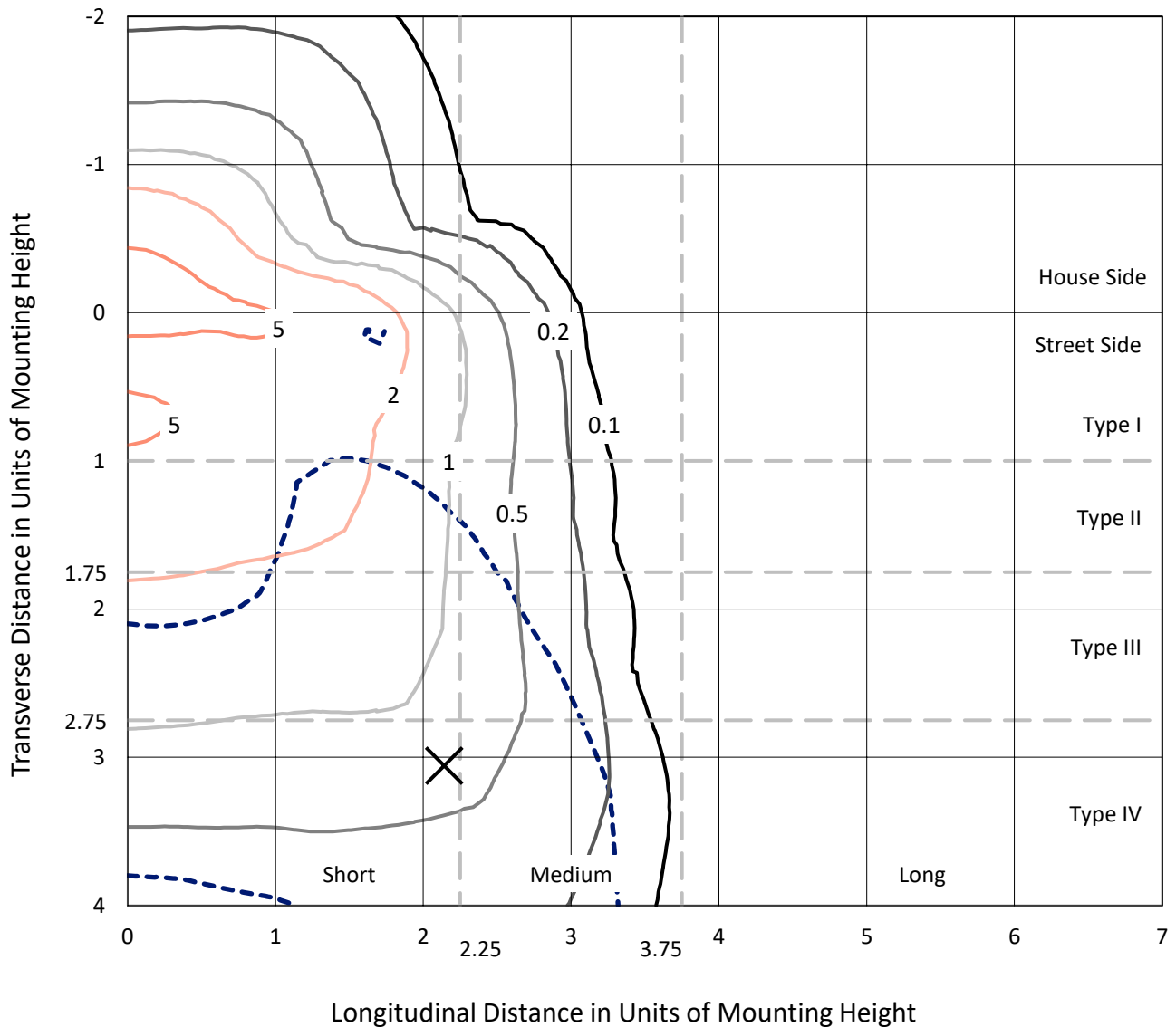
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

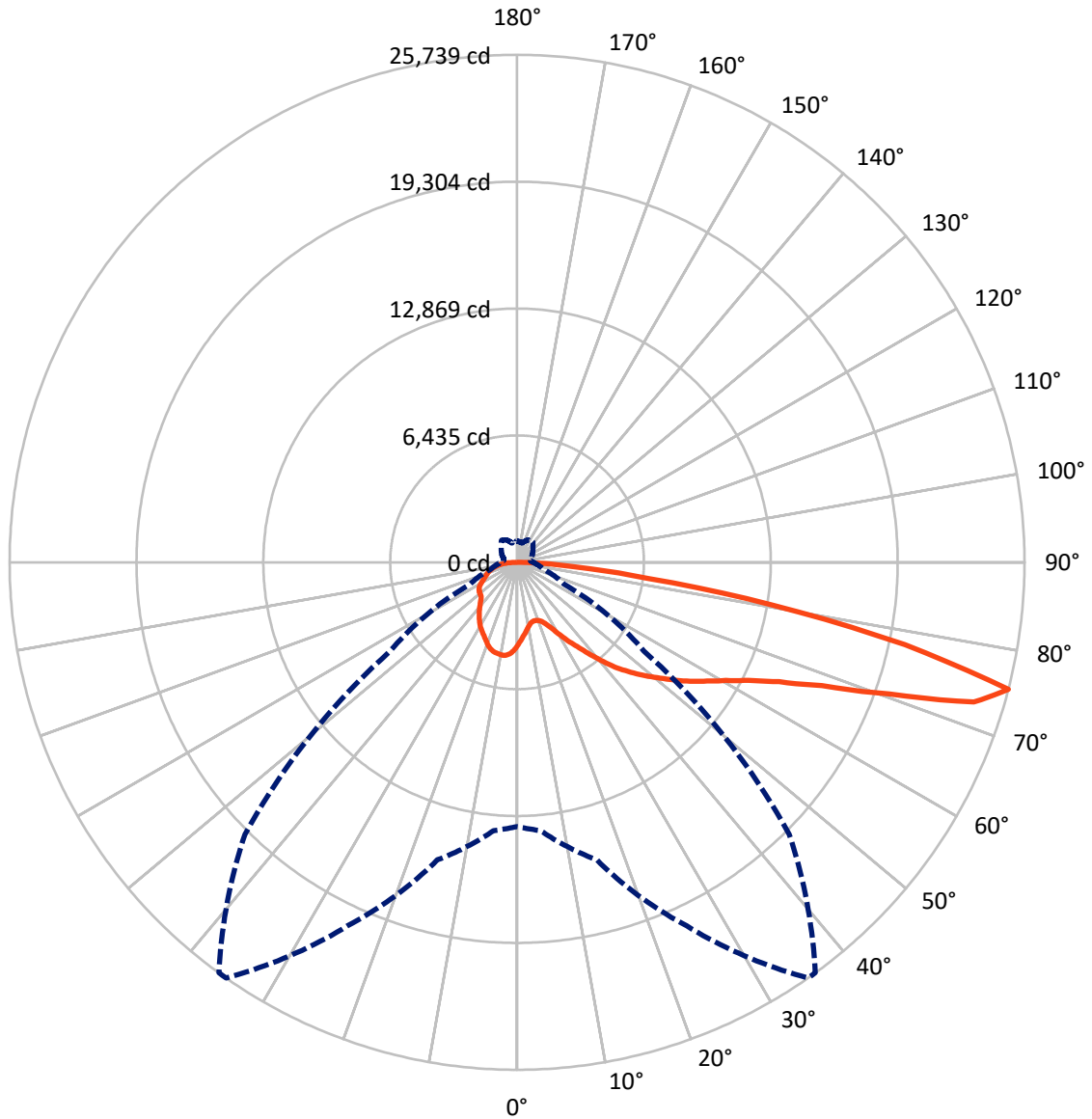
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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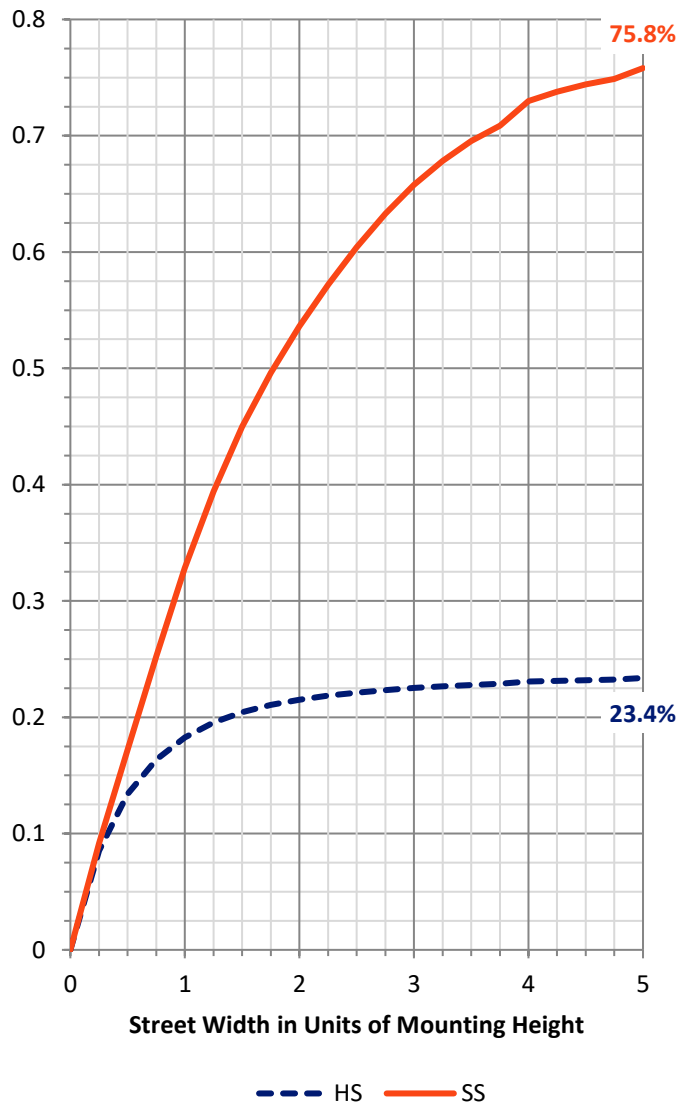
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7515.0	0.0	7515.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	24064.0	0.0	24064.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	31579.0	0.0	31579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	1.3
10°-20°	1149.2	3.6
20°-30°	1929.9	6.1
30°-40°	2999.3	9.5
40°-50°	4451.7	14.1
50°-60°	6145.8	19.5
60°-70°	7456.3	23.6
70°-80°	6162.1	19.5
80°-90°	886.3	2.8
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°	31579.0	100.0
0°-180°	31579.0	100.0

Coefficient of Utilization

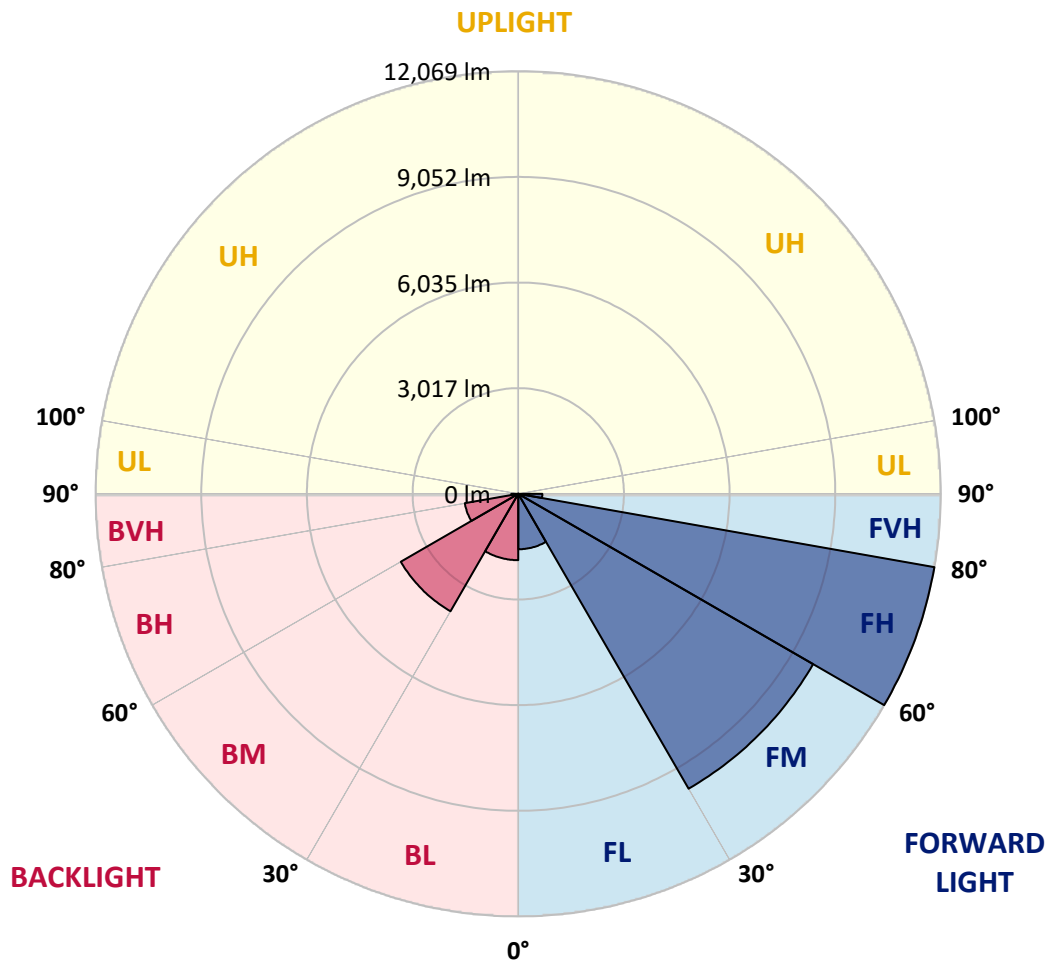


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1583.6	5.0			
FM (30°-60°)	9724.6	30.8			
FH (60°-80°)	12069.0	38.2			G5
FVH (80°-90°)	686.7	2.2			G4/750
BL (0°-30°)	1893.9	6.0	B3/2500		
BM (30°-60°)	3872.2	12.3	B3/5000		
BH (60°-80°)	1549.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	199.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1
2.5°	3880.3	3904.2	3914.5	3909.4	3935.0	3931.6	3967.4	4011.8	4073.3	4133.0
5°	3581.6	3607.2	3629.4	3649.9	3699.4	3714.8	3771.1	3856.4	3969.1	4083.5
7.5°	3303.3	3325.5	3359.7	3397.2	3480.9	3496.2	3590.1	3723.3	3880.3	4047.6
10°	3076.3	3098.5	3134.3	3177.0	3281.1	3299.9	3419.4	3597.0	3801.8	4013.5
12.5°	2979.0	2985.8	3006.3	3049.0	3139.4	3151.4	3282.8	3486.0	3725.0	3987.9
15°	2973.8	2987.5	2989.2	3011.4	3086.5	3091.6	3212.8	3414.3	3677.2	3982.8
17.5°	3025.1	3035.3	3019.9	3033.6	3096.8	3105.3	3200.9	3380.1	3661.8	4005.0
20°	3161.6	3170.2	3124.1	3105.3	3151.4	3158.2	3252.1	3402.3	3677.2	4051.1
22.5°	3451.8	3457.0	3344.3	3267.5	3270.9	3274.3	3356.2	3492.8	3736.9	4134.7
25°	3904.2	3900.8	3721.6	3573.1	3487.7	3468.9	3523.5	3639.6	3837.7	4245.7
27.5°	4433.5	4407.9	4228.6	4006.7	3820.6	3793.3	3781.3	3830.8	3981.1	4392.5
30°	5031.0	5007.1	4814.2	4523.9	4266.2	4221.8	4109.1	4083.5	4194.5	4592.2
32.5°	5686.5	5671.1	5440.7	5089.0	4744.2	4692.9	4503.5	4435.2	4522.2	4894.4
35°	6236.2	6222.5	6031.3	5669.4	5247.8	5184.6	4991.7	4914.9	4959.3	5281.9
37.5°	6733.0	6726.2	6562.3	6277.2	5841.9	5765.0	5548.2	5522.6	5514.1	5792.3
40°	7193.9	7176.8	7006.1	6855.9	6533.2	6463.3	6272.1	6249.9	6185.0	6420.6
42.5°	7704.4	7660.0	7412.4	7342.4	7255.4	7197.3	7082.9	7086.4	6943.0	7129.0
45°	8120.9	8095.3	7840.9	7800.0	7893.8	7869.9	7969.0	7994.6	7716.3	7871.7
47.5°	8568.2	8544.3	8329.2	8300.1	8554.5	8561.3	8911.3	8919.8	8470.9	8643.3
50°	9119.6	9085.4	8872.0	8907.9	9193.0	9218.6	9858.8	9800.7	9165.7	9426.9
52.5°	9483.2	9503.7	9457.6	9515.6	9904.9	9928.8	10790.9	10642.3	9853.6	10200.2
55°	9751.2	9792.2	9935.6	10068.7	10656.0	10679.9	11670.1	11443.0	10423.8	10917.2
57.5°	10096.1	10038.0	10306.0	10565.5	11369.6	11432.8	12525.3	12214.6	10929.1	11535.2
60°	10591.1	10550.2	10758.4	11142.5	12168.5	12269.3	13430.1	12909.4	11299.6	12025.1
62.5°	11594.9	11492.5	11524.9	11864.7	13175.8	13308.9	14451.0	13515.5	11484.0	12216.3
65°	13095.5	12919.7	12755.8	12991.4	14594.4	14725.8	15603.3	13991.8	11415.7	11845.9
67.5°	14985.3	14811.2	14609.8	14831.7	16683.9	16788.1	17025.4	14259.8	10877.9	10418.7
70°	16544.0	16479.1	16719.8	17633.1	20021.4	20024.8	18848.6	14037.9	9404.7	7386.8
72.5°	16337.4	16298.1	17566.5	20390.2	24227.8	24137.3	20574.5	12358.0	6335.2	3332.3
75°	13402.8	13657.2	15622.1	20340.6	25738.6	25726.7	19517.8	7856.3	2620.5	1381.1
77.5°	7187.1	7590.0	10142.2	15017.8	20093.1	20395.3	13722.0	2748.5	1125.0	884.3
80°	2343.9	2695.6	4042.5	7646.3	13056.3	12999.9	5881.1	1078.9	769.9	626.5
82.5°	995.3	1036.2	1806.2	3610.6	6700.5	6596.4	1872.7	619.7	541.2	428.5
85°	389.2	435.3	797.2	1669.6	2902.1	2839.0	676.0	307.3	346.6	280.0
87.5°	128.0	155.4	285.1	571.9	903.1	870.6	165.6	105.8	150.2	128.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853137
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4208.1	0°	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1	4208.1
4220.1	2.5°	4244.0	4271.3	4303.7	4351.5	4392.5	4426.6	4462.5	4484.7	4493.2	4518.8
4226.9	5°	4274.7	4334.4	4414.7	4493.2	4570.0	4616.1	4657.1	4677.6	4696.4	4710.0
4245.7	7.5°	4325.9	4402.7	4529.1	4631.5	4696.4	4733.9	4761.2	4754.4	4761.2	4764.6
4266.2	10°	4370.3	4477.8	4628.1	4725.4	4774.9	4776.6	4769.8	4745.9	4733.9	4735.6
4296.9	12.5°	4423.2	4542.7	4704.9	4786.8	4800.5	4762.9	4733.9	4692.9	4677.6	4670.8
4343.0	15°	4494.9	4631.5	4788.5	4819.3	4785.1	4737.3	4687.8	4621.2	4587.1	4559.8
4421.5	17.5°	4582.0	4732.2	4853.4	4831.2	4757.8	4679.3	4599.1	4498.3	4428.3	4399.3
4529.1	20°	4703.2	4838.1	4902.9	4805.6	4694.7	4575.2	4438.6	4315.7	4250.8	4221.8
4665.6	22.5°	4850.0	4979.7	4950.7	4761.2	4604.2	4413.0	4242.3	4151.8	4119.3	4098.9
4841.5	25°	5025.8	5136.8	4984.9	4696.4	4455.7	4197.9	4066.4	4037.4	4022.0	4006.7
5056.6	27.5°	5254.6	5314.3	5010.5	4600.8	4223.5	3969.1	3921.3	3926.4	3921.3	3895.7
5355.3	30°	5556.8	5544.8	5034.4	4445.4	3957.2	3762.6	3766.0	3788.2	3791.6	3774.5
5771.9	32.5°	5954.5	5833.3	5046.3	4244.0	3702.8	3581.6	3585.0	3608.9	3626.0	3597.0
6316.4	35°	6435.9	6169.6	5027.5	3991.3	3506.5	3409.2	3383.6	3390.4	3395.5	3368.2
6977.1	37.5°	6997.6	6546.9	4943.9	3711.3	3344.3	3240.2	3185.5	3139.4	3112.1	3086.5
7724.8	40°	7613.9	6958.3	4790.3	3438.2	3163.3	3060.9	2979.0	2891.9	2799.7	2765.6
8517.0	42.5°	8259.2	7381.7	4604.2	3177.0	2955.1	2871.4	2784.4	2658.0	2519.7	2449.8
9339.8	45°	8928.4	7815.3	4421.5	2919.2	2741.7	2705.8	2605.1	2453.2	2302.9	2214.2
10164.3	47.5°	9583.9	8225.0	4153.5	2659.7	2541.9	2581.2	2502.7	2362.7	2195.4	2055.4
10982.1	50°	10210.4	8609.1	3714.8	2396.8	2379.8	2543.6	2468.5	2267.1	2075.9	1896.6
11784.4	52.5°	10831.8	8919.8	3153.1	2157.8	2292.7	2533.4	2424.1	2202.2	1968.3	1780.6
12539.0	55°	11359.4	9080.3	2611.9	1953.0	2166.4	2446.3	2371.2	2125.4	1816.4	1616.7
13056.3	57.5°	11659.8	8950.6	2161.2	1751.5	1992.2	2302.9	2280.7	1961.5	1635.4	1481.8
13157.0	60°	11530.1	8424.8	1792.5	1575.7	1826.6	2147.6	2123.7	1799.3	1497.2	1352.1
12617.5	62.5°	10814.8	7422.7	1500.6	1422.1	1676.4	1988.8	1966.6	1674.7	1391.3	1251.3
11185.2	65°	9373.9	6038.2	1273.5	1294.0	1524.5	1797.6	1830.1	1570.6	1307.7	1171.1
8653.5	67.5°	7149.5	4373.7	1096.0	1183.1	1376.0	1609.8	1703.7	1495.5	1237.7	1107.9
5007.1	70°	4075.0	2483.9	945.8	1075.5	1244.5	1435.7	1606.4	1435.7	1162.6	1055.0
1876.2	72.5°	1545.0	1140.4	817.7	968.0	1118.2	1288.9	1498.9	1341.8	1075.5	995.3
969.7	75°	824.6	694.8	688.0	841.6	973.1	1145.5	1364.0	1249.6	1010.6	1051.6
670.9	77.5°	561.7	491.7	575.3	720.4	814.3	986.7	1220.6	1109.6	875.8	872.4
464.3	80°	389.2	348.3	467.8	580.4	629.9	829.7	1065.3	952.6	713.6	665.8
286.8	82.5°	233.9	227.1	350.0	433.6	445.6	640.2	882.6	798.9	583.8	508.7
170.7	85°	128.0	134.9	223.6	254.4	259.5	447.3	691.4	618.0	449.0	377.3
61.5	87.5°	35.9	46.1	81.9	100.7	124.6	232.2	411.4	367.0	225.3	157.1
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

180°
4208.1
4517.1
4713.4
4769.8
4739.0
4667.3
4568.3
4401.0
4218.4
4102.3
4006.7
3900.8
3783.0
3610.6
3387.0
3103.6
2780.9
2458.3
2207.3
2040.0
1881.3
1760.1
1599.6
1461.3
1331.6
1229.1
1148.9
1087.5
1041.4
981.6
1085.7
804.1
636.8
512.1
380.7
157.1
0.0

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