

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: P852885

Luminaire Tested: **GLAN-SB7A-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852885
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-SB7A-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28040 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

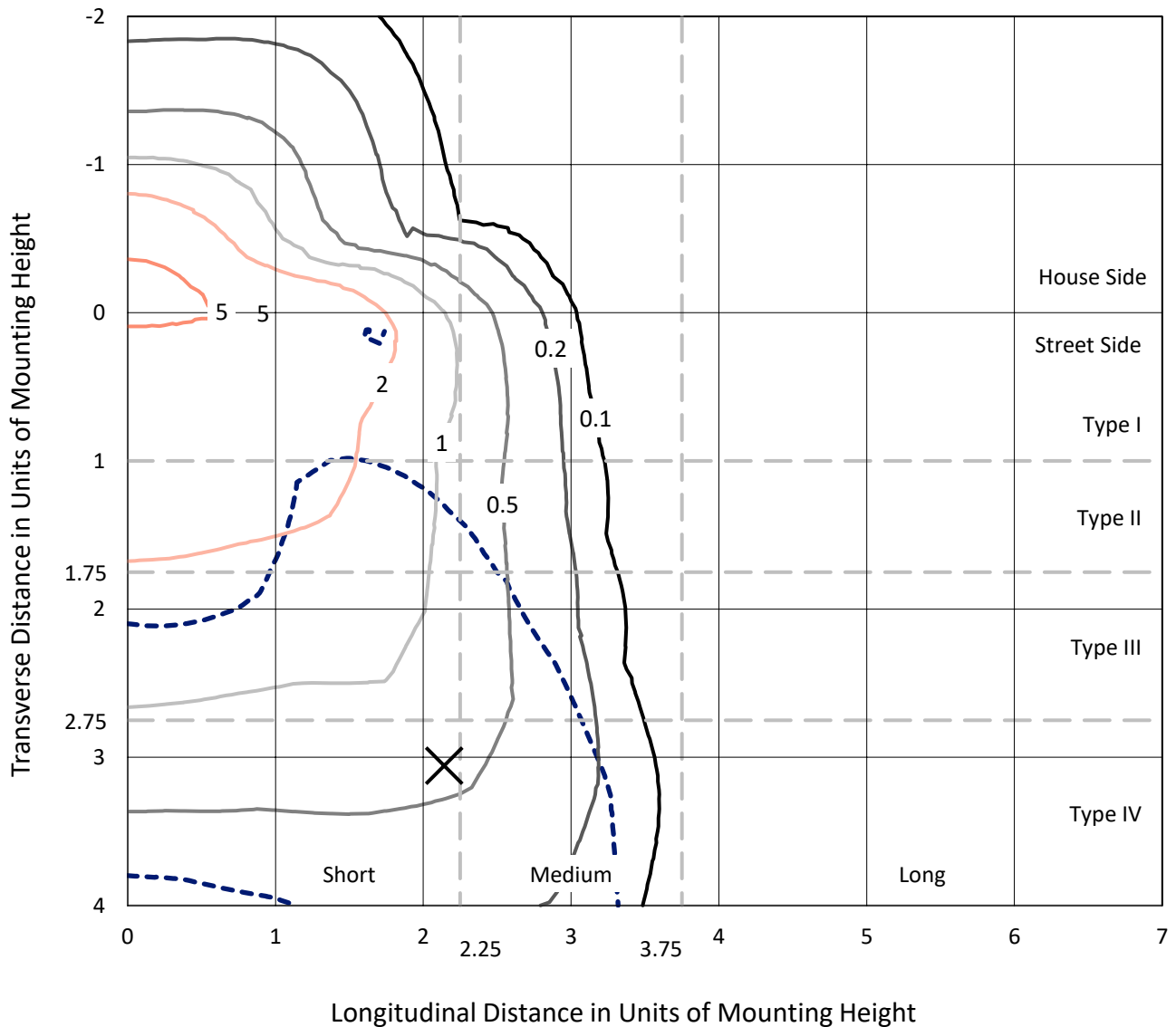
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

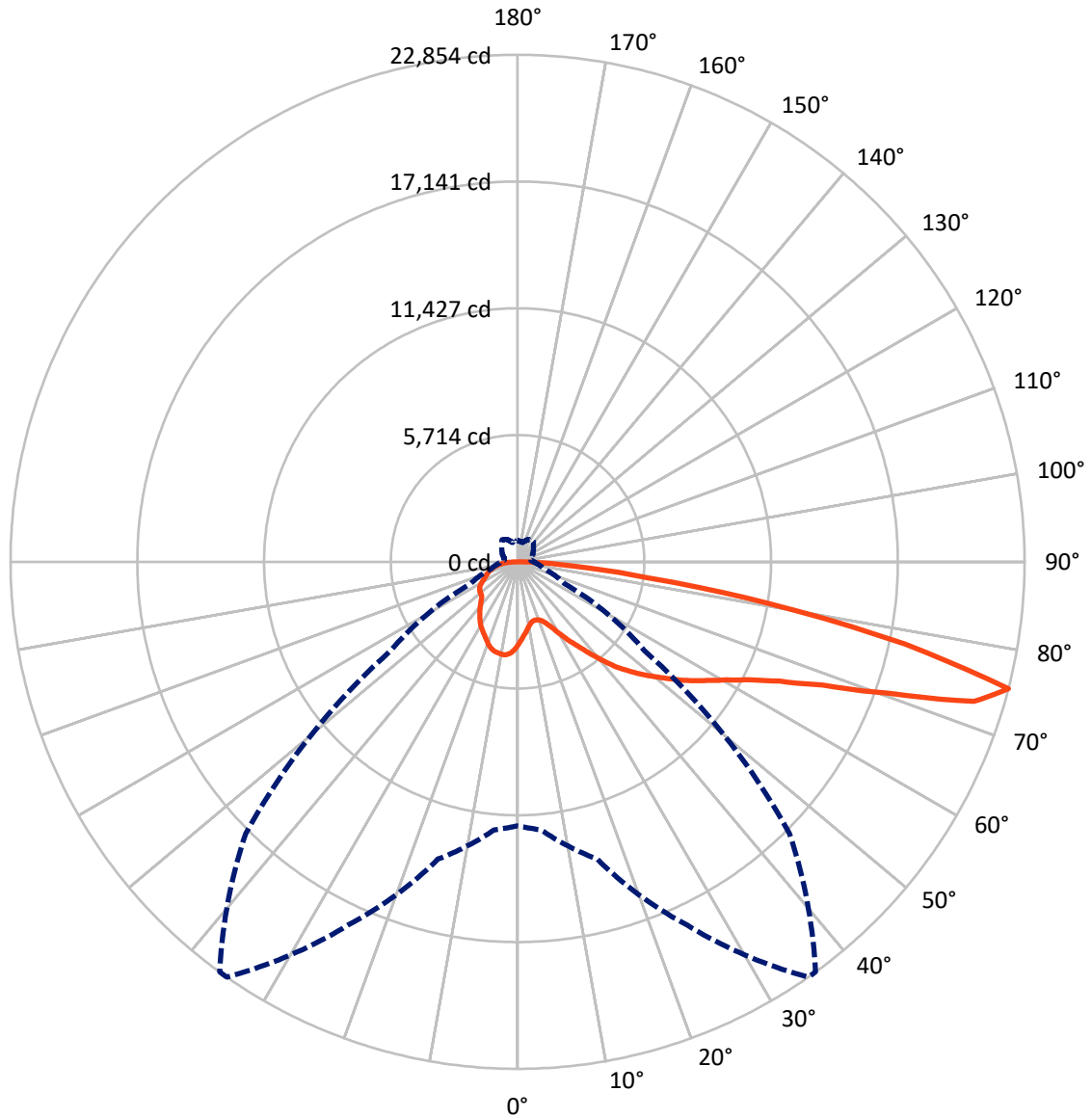
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	6672.8	0.0	6672.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21367.2	0.0	21367.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	28040.0	0.0	28040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.8	1.3
10°-20°	1020.4	3.6
20°-30°	1713.6	6.1
30°-40°	2663.1	9.5
40°-50°	3952.8	14.1
50°-60°	5457.1	19.5
60°-70°	6620.7	23.6
70°-80°	5471.5	19.5
80°-90°	787.0	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°	28040.0	100.0
0°-180°	28040.0	100.0

Coefficient of Utilization

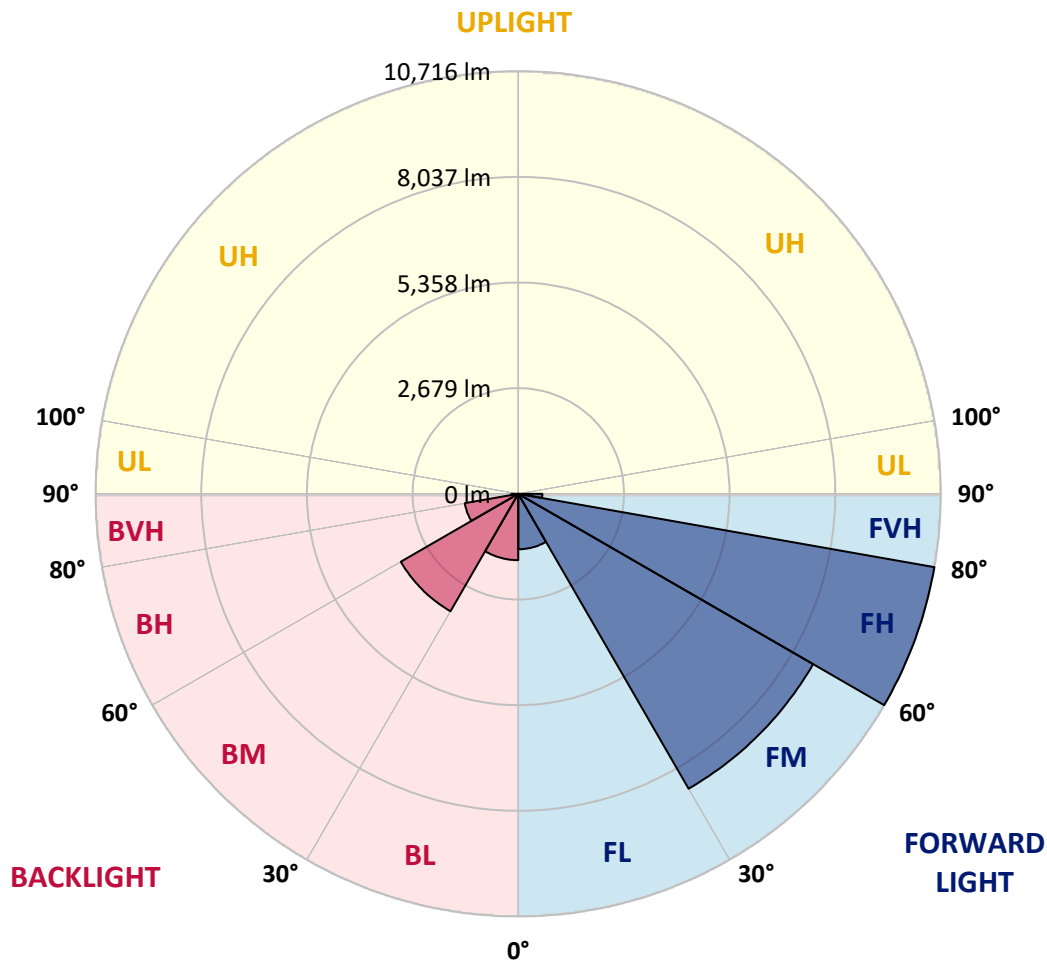


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1406.2	5.0			
FM (30°-60°)	8634.8	30.8			
FH (60°-80°)	10716.5	38.2			G4/12000
FVH (80°-90°)	609.8	2.2			G4/750
BL (0°-30°)	1681.6	6.0	B3/2500		
BM (30°-60°)	3438.2	12.3	B3/5000		
BH (60°-80°)	1375.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	177.2	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5
2.5°	3445.5	3466.7	3475.8	3471.2	3494.0	3491.0	3522.8	3562.2	3616.8	3669.8
5°	3180.2	3202.9	3222.7	3240.8	3284.8	3298.4	3348.5	3424.3	3524.3	3625.9
7.5°	2933.1	2952.8	2983.2	3016.5	3090.8	3104.4	3187.8	3306.0	3445.5	3594.0
10°	2731.5	2751.2	2783.1	2821.0	2913.4	2930.1	3036.2	3193.9	3375.8	3563.7
12.5°	2645.1	2651.2	2669.4	2707.3	2787.6	2798.2	2914.9	3095.3	3307.5	3541.0
15°	2640.6	2652.7	2654.2	2673.9	2740.6	2745.2	2852.8	3031.7	3265.1	3536.4
17.5°	2686.0	2695.1	2681.5	2693.6	2749.7	2757.3	2842.2	3001.3	3251.5	3556.1
20°	2807.3	2814.9	2774.0	2757.3	2798.2	2804.3	2887.7	3021.0	3265.1	3597.1
22.5°	3065.0	3069.6	2969.5	2901.3	2904.3	2907.4	2980.1	3101.4	3318.2	3671.3
25°	3466.7	3463.7	3304.5	3172.6	3096.8	3080.2	3128.7	3231.7	3407.6	3769.9
27.5°	3936.6	3913.9	3754.7	3557.7	3392.4	3368.2	3357.6	3401.5	3534.9	3900.2
30°	4467.1	4445.9	4274.6	4016.9	3788.1	3748.6	3648.6	3625.9	3724.4	4077.6
32.5°	5049.2	5035.6	4830.9	4518.7	4212.5	4167.0	3998.8	3938.1	4015.4	4345.9
35°	5537.3	5525.2	5355.4	5034.1	4659.7	4603.6	4432.3	4364.1	4403.5	4690.0
37.5°	5978.4	5972.4	5826.8	5573.7	5187.2	5119.0	4926.4	4903.7	4896.1	5143.2
40°	6387.7	6372.5	6221.0	6087.6	5801.1	5738.9	5569.2	5549.5	5491.9	5701.0
42.5°	6840.9	6801.5	6581.7	6519.6	6442.3	6390.7	6289.2	6292.2	6164.9	6330.1
45°	7210.8	7188.1	6962.2	6925.8	7009.2	6988.0	7075.9	7098.6	6851.5	6989.5
47.5°	7607.9	7586.7	7395.7	7370.0	7595.8	7601.9	7912.6	7920.2	7521.5	7674.6
50°	8097.6	8067.2	7877.8	7909.6	8162.7	8185.5	8753.9	8702.4	8138.5	8370.4
52.5°	8420.4	8438.6	8397.7	8449.2	8794.8	8816.1	9581.6	9449.7	8749.4	9057.1
55°	8658.4	8694.8	8822.1	8940.4	9461.8	9483.0	10362.2	10160.6	9255.7	9693.7
57.5°	8964.6	8913.1	9151.1	9381.5	10095.4	10151.5	11121.6	10845.8	9704.3	10242.5
60°	9404.2	9367.8	9552.8	9893.8	10804.8	10894.3	11925.0	11462.7	10033.3	10677.5
62.5°	10295.5	10204.6	10233.4	10535.0	11699.2	11817.4	12831.5	12000.8	10197.0	10847.3
65°	11627.9	11471.8	11326.3	11535.5	12958.8	13075.5	13854.7	12423.7	10136.4	10518.3
67.5°	13306.0	13151.3	12972.5	13169.5	14814.2	14906.7	15117.4	12661.7	9658.9	9251.1
70°	14689.9	14632.3	14846.0	15657.0	17777.6	17780.7	16736.3	12464.7	8350.7	6559.0
72.5°	14506.5	14471.6	15597.9	18105.1	21512.7	21432.3	18268.8	10973.1	5625.2	2958.9
75°	11900.8	12126.6	13871.4	18061.1	22854.2	22843.6	17330.5	6975.8	2326.8	1226.3
77.5°	6381.6	6739.4	9005.5	13334.8	17841.3	18109.6	12184.2	2440.5	998.9	785.2
80°	2081.2	2393.5	3589.5	6789.4	11593.1	11543.0	5222.0	958.0	683.6	556.3
82.5°	883.7	920.1	1603.7	3206.0	5949.6	5857.2	1662.9	550.2	480.5	380.5
85°	345.6	386.5	707.9	1482.5	2576.9	2520.8	600.3	272.8	307.7	248.6
87.5°	113.7	137.9	253.1	507.8	801.9	773.1	147.0	94.0	133.4	113.7
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°
3736.5	0°	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5	3736.5
3747.1	2.5°	3768.4	3792.6	3821.4	3863.8	3900.2	3930.5	3962.4	3982.1	3989.7	4012.4
3753.2	5°	3795.6	3848.7	3919.9	3989.7	4057.9	4098.8	4135.2	4153.4	4170.0	4182.2
3769.9	7.5°	3841.1	3909.3	4021.5	4112.4	4170.0	4203.4	4227.6	4221.6	4227.6	4230.7
3788.1	10°	3880.5	3976.0	4109.4	4195.8	4239.8	4241.3	4235.2	4214.0	4203.4	4204.9
3815.3	12.5°	3927.5	4033.6	4177.6	4250.4	4262.5	4229.2	4203.4	4167.0	4153.4	4147.3
3856.3	15°	3991.2	4112.4	4251.9	4279.2	4248.9	4206.4	4162.5	4103.4	4073.0	4048.8
3926.0	17.5°	4068.5	4201.9	4309.5	4289.8	4224.6	4154.9	4083.6	3994.2	3932.1	3906.3
4021.5	20°	4176.1	4295.9	4353.5	4267.1	4168.5	4062.4	3941.2	3832.0	3774.4	3748.6
4142.8	22.5°	4306.5	4421.7	4395.9	4227.6	4088.2	3918.4	3766.8	3686.5	3657.7	3639.5
4298.9	25°	4462.6	4561.1	4426.2	4170.0	3956.3	3727.4	3610.7	3584.9	3571.3	3557.7
4489.9	27.5°	4665.7	4718.8	4449.0	4085.2	3750.2	3524.3	3481.9	3486.4	3481.9	3459.1
4755.2	30°	4934.0	4923.4	4470.2	3947.2	3513.7	3340.9	3343.9	3363.6	3366.7	3351.5
5125.0	32.5°	5287.2	5179.6	4480.8	3768.4	3287.8	3180.2	3183.2	3204.5	3219.6	3193.9
5608.6	35°	5714.7	5478.2	4464.1	3544.0	3113.5	3027.1	3004.4	3010.4	3015.0	2990.7
6195.2	37.5°	6213.4	5813.2	4389.8	3295.4	2969.5	2877.0	2828.5	2787.6	2763.4	2740.6
6859.1	40°	6760.6	6178.5	4253.4	3052.9	2808.8	2717.9	2645.1	2567.8	2486.0	2455.6
7562.5	42.5°	7333.6	6554.4	4088.2	2821.0	2623.9	2549.6	2472.3	2360.1	2237.4	2175.2
8293.1	45°	7927.8	6939.5	3926.0	2592.1	2434.4	2402.6	2313.2	2178.2	2044.9	1966.0
9025.2	47.5°	8509.9	7303.3	3688.0	2361.7	2257.1	2291.9	2222.2	2097.9	1949.4	1825.1
9751.3	50°	9066.2	7644.3	3298.4	2128.2	2113.1	2258.6	2191.9	2013.0	1843.2	1684.1
10463.8	52.5°	9617.9	7920.2	2799.7	1916.0	2035.8	2249.5	2152.5	1955.4	1747.8	1581.0
11133.8	55°	10086.3	8062.7	2319.2	1734.1	1923.6	2172.2	2105.5	1887.2	1612.8	1435.5
11593.1	57.5°	10353.1	7947.5	1919.0	1555.2	1769.0	2044.9	2025.1	1741.7	1452.2	1315.7
11682.5	60°	10237.9	7480.6	1591.6	1399.1	1621.9	1906.9	1885.7	1597.7	1329.4	1200.5
11203.5	62.5°	9602.8	6590.8	1332.4	1262.7	1488.5	1765.9	1746.2	1487.0	1235.4	1111.1
9931.7	65°	8323.4	5361.5	1130.8	1149.0	1353.6	1596.2	1625.0	1394.6	1161.1	1039.9
7683.7	67.5°	6348.3	3883.6	973.2	1050.5	1221.8	1429.4	1512.8	1327.9	1099.0	983.8
4445.9	70°	3618.3	2205.5	839.8	955.0	1105.0	1274.8	1426.4	1274.8	1032.3	936.8
1665.9	72.5°	1371.8	1012.6	726.1	859.5	992.9	1144.5	1330.9	1191.4	955.0	883.7
861.0	75°	732.1	616.9	610.9	747.3	864.0	1017.1	1211.1	1109.6	897.4	933.8
595.7	77.5°	498.7	436.6	510.8	639.7	723.1	876.1	1083.8	985.3	777.6	774.6
412.3	80°	345.6	309.2	415.3	515.4	559.3	736.7	945.9	845.8	633.6	591.2
254.7	82.5°	207.7	201.6	310.7	385.0	395.6	568.4	783.7	709.4	518.4	451.7
151.6	85°	113.7	119.8	198.6	225.9	230.4	397.1	613.9	548.7	398.7	335.0
54.6	87.5°	31.8	40.9	72.8	89.4	110.7	206.2	365.3	325.9	200.1	139.5
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°
3736.5
4010.9
4185.2
4235.2
4207.9
4144.3
4056.4
3907.8
3745.6
3642.5
3557.7
3463.7
3359.1
3206.0
3007.4
2755.8
2469.3
2182.8
1960.0
1811.4
1670.4
1562.8
1420.3
1297.6
1182.3
1091.4
1020.2
965.6
924.7
871.6
964.1
714.0
565.4
454.7
338.0
139.5
0.0

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