

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: P853001

Luminaire Tested: **GLAN-SB8A-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853001  
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-SB8A-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 28035 lumens  
Efficiency: N/A  
Efficacy: 123.4 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

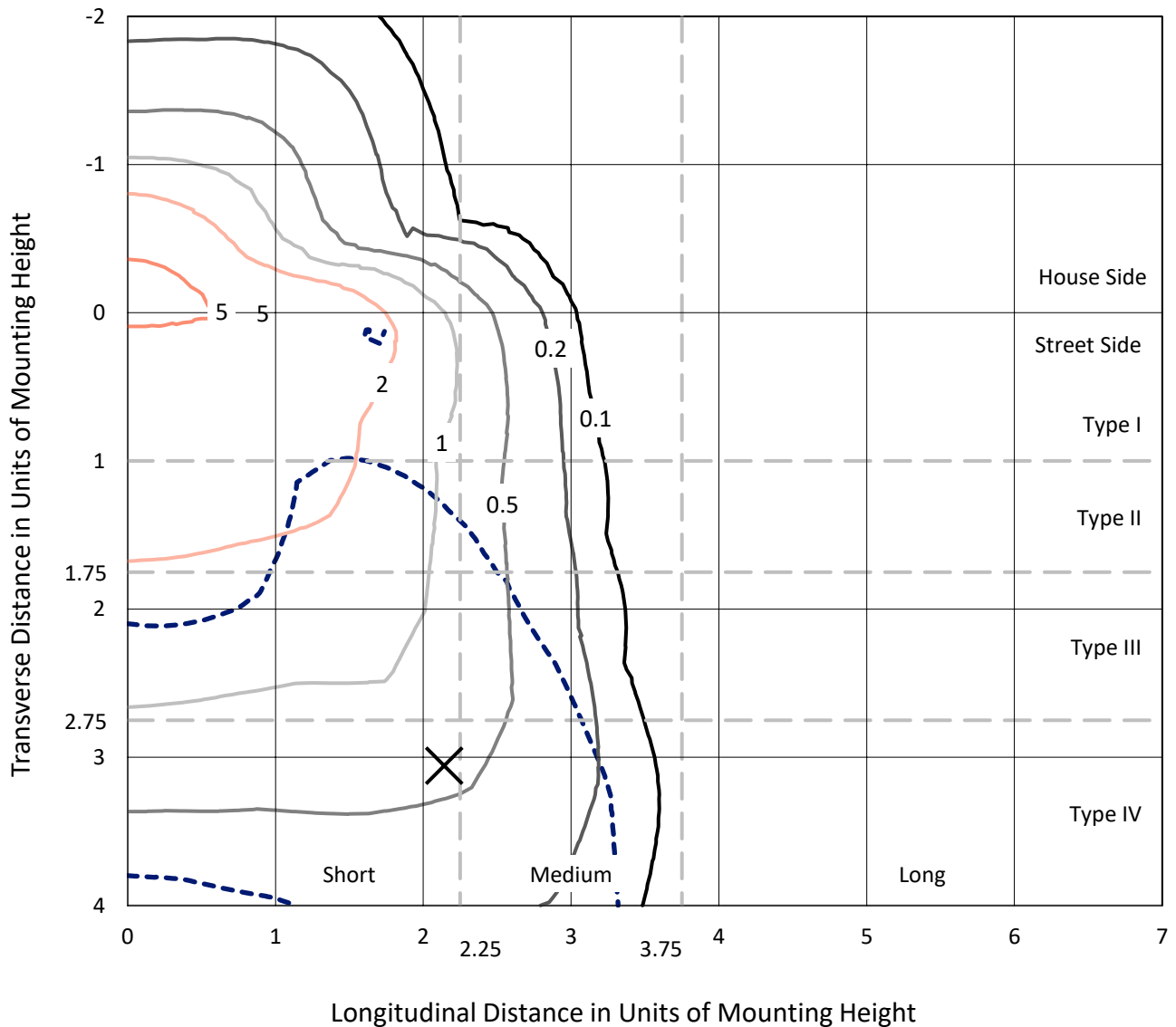
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

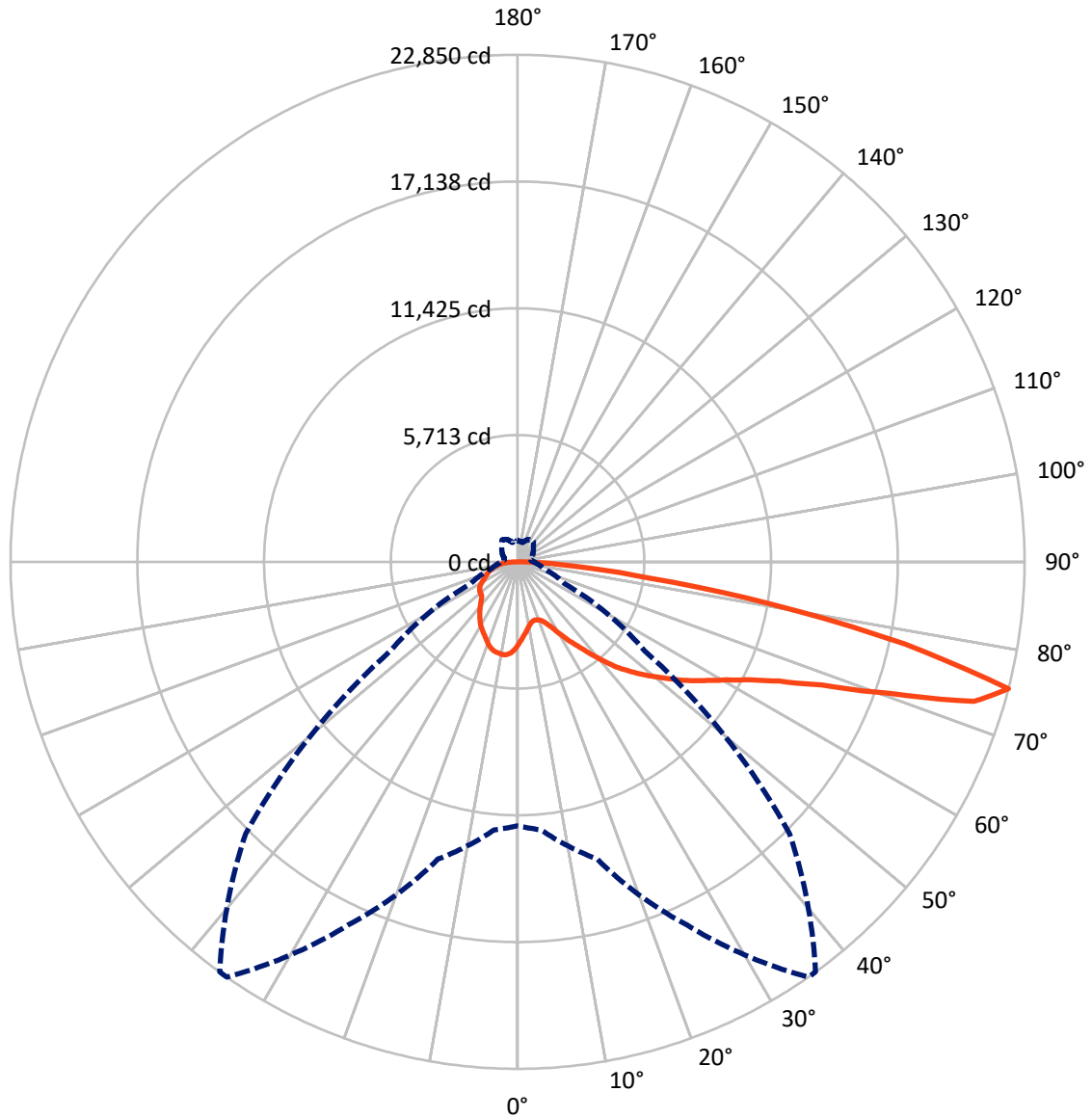
× Max cd  
 - - - 1/2 Max cd



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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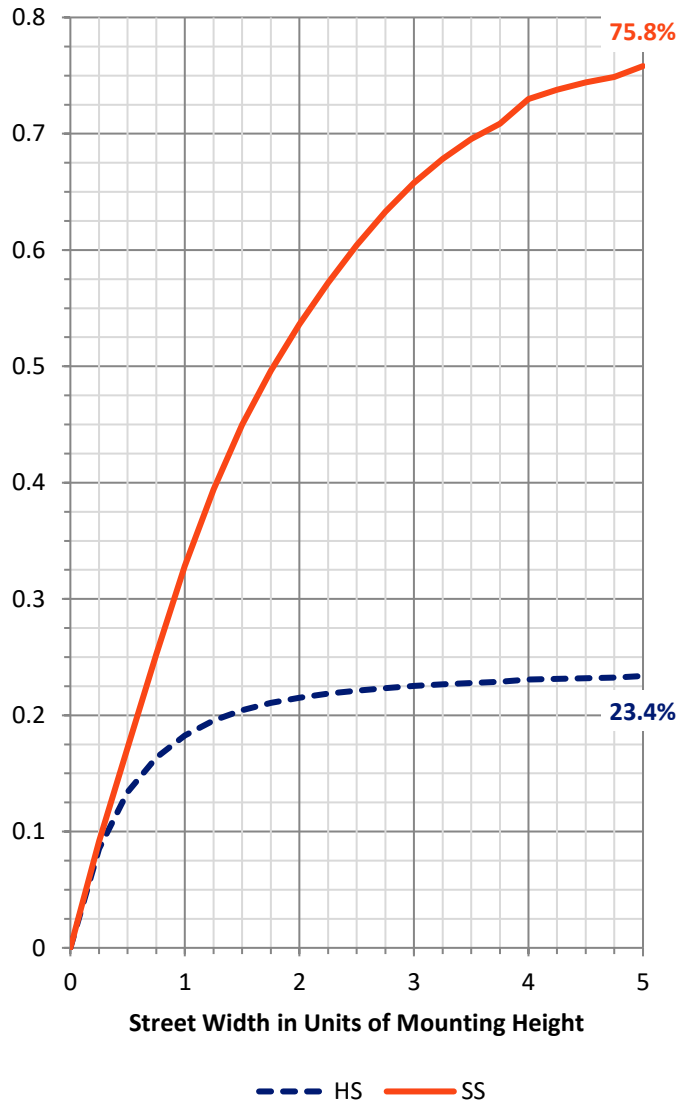
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6671.6	0.0	6671.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	21363.4	0.0	21363.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	28035.0	0.0	28035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.7	1.3
10°-20°	1020.3	3.6
20°-30°	1713.3	6.1
30°-40°	2662.7	9.5
40°-50°	3952.1	14.1
50°-60°	5456.1	19.5
60°-70°	6619.5	23.6
70°-80°	5470.5	19.5
80°-90°	786.8	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°	28035.0	100.0
0°-180°	28035.0	100.0

**Coefficient of Utilization**

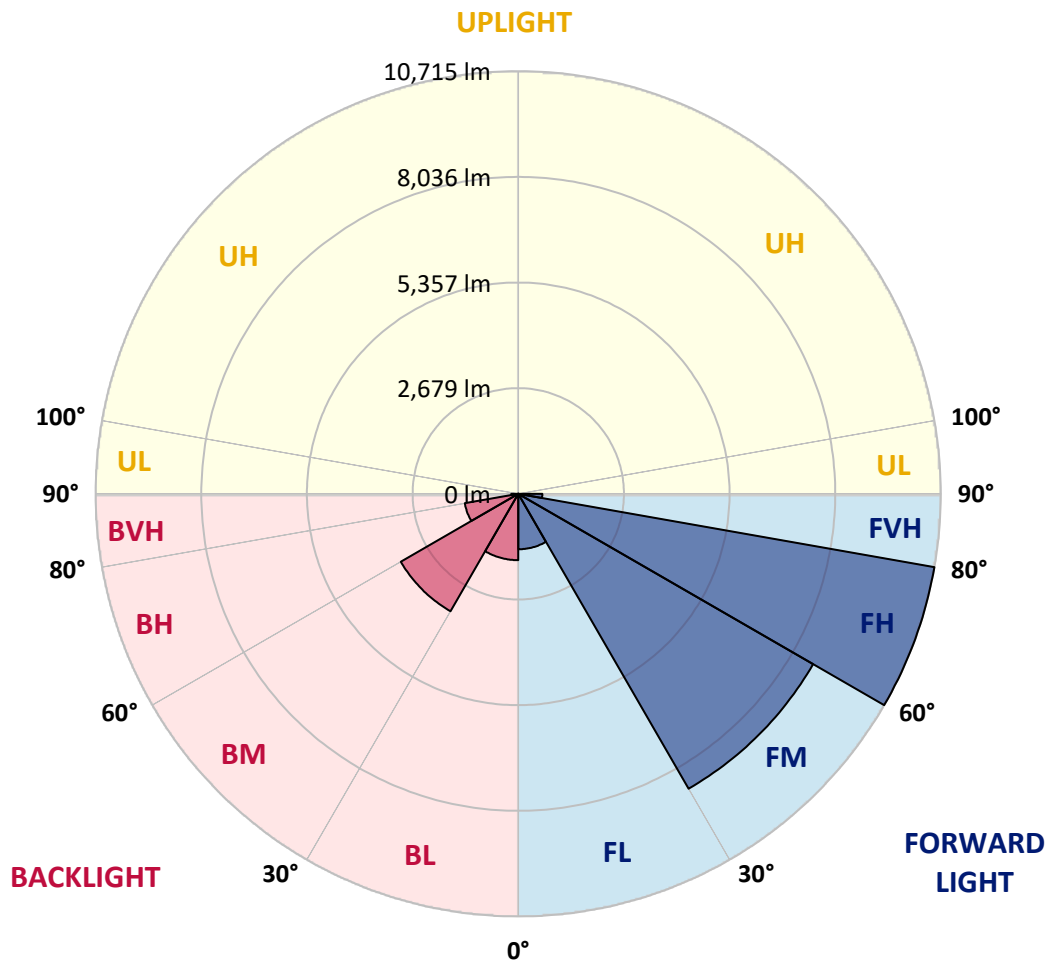


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.9	5.0			
FM (30°-60°)	8633.3	30.8			
FH (60°-80°)	10714.6	38.2			G4/12000
FVH (80°-90°)	609.7	2.2			G4/750
BL (0°-30°)	1681.3	6.0	B3/2500		
BM (30°-60°)	3437.6	12.3	B3/5000		
BH (60°-80°)	1375.5	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°	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9
2.5°	3444.9	3466.1	3475.2	3470.6	3493.4	3490.3	3522.2	3561.6	3616.1	3669.2
5°	3179.6	3202.4	3222.1	3240.3	3284.2	3297.9	3347.9	3423.6	3523.7	3625.2
7.5°	2932.6	2952.3	2982.6	3016.0	3090.2	3103.9	3187.2	3305.4	3444.9	3593.4
10°	2731.0	2750.7	2782.6	2820.5	2912.9	2929.6	3035.7	3193.3	3375.2	3563.1
12.5°	2644.7	2650.7	2668.9	2706.8	2787.1	2797.7	2914.4	3094.8	3307.0	3540.3
15°	2640.1	2652.2	2653.7	2673.4	2740.1	2744.7	2852.3	3031.1	3264.5	3535.8
17.5°	2685.6	2694.7	2681.0	2693.1	2749.2	2756.8	2841.7	3000.8	3250.9	3555.5
20°	2806.8	2814.4	2773.5	2756.8	2797.7	2803.8	2887.1	3020.5	3264.5	3596.4
22.5°	3064.5	3069.0	2969.0	2900.8	2903.8	2906.8	2979.6	3100.8	3317.6	3670.7
25°	3466.1	3463.1	3303.9	3172.1	3096.3	3079.6	3128.1	3231.2	3407.0	3769.2
27.5°	3935.9	3913.2	3754.0	3557.0	3391.8	3367.6	3357.0	3400.9	3534.3	3899.5
30°	4466.4	4445.1	4273.9	4016.2	3787.4	3748.0	3648.0	3625.2	3723.7	4076.9
32.5°	5048.3	5034.7	4830.1	4517.9	4211.7	4166.3	3998.0	3937.4	4014.7	4345.1
35°	5536.3	5524.2	5354.5	5033.2	4658.8	4602.8	4431.5	4363.3	4402.7	4689.1
37.5°	5977.4	5971.3	5825.8	5572.7	5186.2	5118.0	4925.6	4902.8	4895.3	5142.3
40°	6386.6	6371.4	6219.9	6086.5	5800.0	5737.9	5568.2	5548.5	5490.9	5700.0
42.5°	6839.7	6800.3	6580.6	6518.4	6441.1	6389.6	6288.1	6291.1	6163.8	6329.0
45°	7209.5	7186.8	6961.0	6924.6	7007.9	6986.7	7074.6	7097.4	6850.3	6988.2
47.5°	7606.6	7585.4	7394.4	7368.6	7594.5	7600.5	7911.2	7918.8	7520.2	7673.3
50°	8096.1	8065.8	7876.4	7908.2	8161.3	8184.0	8752.4	8700.8	8137.0	8368.9
52.5°	8418.9	8437.1	8396.2	8447.7	8793.3	8814.5	9579.8	9448.0	8747.8	9055.5
55°	8656.9	8693.2	8820.6	8938.8	9460.1	9481.3	10360.4	10158.8	9254.0	9692.0
57.5°	8963.0	8911.5	9149.4	9379.8	10093.6	10149.7	11119.7	10843.8	9702.6	10240.6
60°	9402.5	9366.2	9551.1	9892.1	10802.9	10892.3	11922.9	11460.7	10031.5	10675.6
62.5°	10293.7	10202.7	10231.5	10533.1	11697.1	11815.3	12829.2	11998.7	10195.2	10845.3
65°	11625.9	11469.8	11324.3	11533.4	12956.5	13073.2	13852.2	12421.5	10134.5	10516.5
67.5°	13303.6	13149.0	12970.2	13167.2	14811.6	14904.0	15114.7	12659.5	9657.1	9249.5
70°	14687.3	14629.7	14843.4	15654.2	17774.5	17777.5	16733.3	12462.4	8349.2	6557.8
72.5°	14503.9	14469.0	15595.1	18101.8	21508.8	21428.5	18265.5	10971.1	5624.2	2958.4
75°	11898.7	12124.5	13868.9	18057.9	22850.1	22839.5	17327.4	6974.6	2326.4	1226.1
77.5°	6380.5	6738.2	9003.9	13332.4	17838.1	18106.4	12182.1	2440.1	998.8	785.1
80°	2080.9	2393.1	3588.8	6788.2	11591.0	11541.0	5221.1	957.8	683.5	556.2
82.5°	883.6	919.9	1603.5	3205.4	5948.6	5856.1	1662.6	550.1	480.4	380.4
85°	345.5	386.5	707.8	1482.2	2576.5	2520.4	600.2	272.8	307.7	248.6
87.5°	113.7	137.9	253.1	507.7	801.7	772.9	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°
3735.9	0°	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9
3746.5	2.5°	3767.7	3791.9	3820.7	3863.2	3899.5	3929.8	3961.7	3981.4	3989.0	4011.7
3752.5	5°	3795.0	3848.0	3919.2	3989.0	4057.2	4098.1	4134.4	4152.6	4169.3	4181.4
3769.2	7.5°	3840.4	3908.6	4020.8	4111.7	4169.3	4202.6	4226.9	4220.8	4226.9	4229.9
3787.4	10°	3879.8	3975.3	4108.7	4195.1	4239.0	4240.5	4234.5	4213.3	4202.6	4204.2
3814.7	12.5°	3926.8	4032.9	4176.9	4249.6	4261.8	4228.4	4202.6	4166.3	4152.6	4146.6
3855.6	15°	3990.5	4111.7	4251.1	4278.4	4248.1	4205.7	4161.7	4102.6	4072.3	4048.1
3925.3	17.5°	4067.8	4201.1	4308.7	4289.0	4223.9	4154.1	4082.9	3993.5	3931.4	3905.6
4020.8	20°	4175.4	4295.1	4352.7	4266.3	4167.8	4061.7	3940.5	3831.3	3773.7	3748.0
4142.0	22.5°	4305.7	4420.9	4395.1	4226.9	4087.5	3917.7	3766.2	3685.8	3657.0	3638.9
4298.1	25°	4461.8	4560.3	4425.4	4169.3	3955.6	3726.8	3610.1	3584.3	3570.7	3557.0
4489.1	27.5°	4664.9	4717.9	4448.2	4084.4	3749.5	3523.7	3481.2	3485.8	3481.2	3458.5
4754.3	30°	4933.1	4922.5	4469.4	3946.5	3513.1	3340.3	3343.3	3363.0	3366.1	3350.9
5124.1	32.5°	5286.3	5178.7	4480.0	3767.7	3287.2	3179.6	3182.7	3203.9	3219.0	3193.3
5607.6	35°	5713.7	5477.2	4463.3	3543.4	3113.0	3026.6	3003.8	3009.9	3014.4	2990.2
6194.1	37.5°	6212.3	5812.2	4389.1	3294.8	2969.0	2876.5	2828.0	2787.1	2762.9	2740.1
6857.9	40°	6759.4	6177.4	4252.7	3052.3	2808.3	2717.4	2644.7	2567.4	2485.5	2455.2
7561.1	42.5°	7332.3	6553.3	4087.5	2820.5	2623.4	2549.2	2471.9	2359.7	2237.0	2174.8
8291.6	45°	7926.4	6938.2	3925.3	2591.6	2434.0	2402.2	2312.7	2177.9	2044.5	1965.7
9023.6	47.5°	8508.3	7302.0	3687.4	2361.2	2256.7	2291.5	2221.8	2097.5	1949.0	1824.7
9749.6	50°	9064.6	7643.0	3297.9	2127.8	2112.7	2258.2	2191.5	2012.7	1842.9	1683.8
10461.9	52.5°	9616.2	7918.8	2799.2	1915.7	2035.4	2249.1	2152.1	1955.1	1747.4	1580.7
11131.8	55°	10084.5	8061.3	2318.8	1733.8	1923.2	2171.8	2105.1	1886.9	1612.6	1435.2
11591.0	57.5°	10351.3	7946.1	1918.7	1555.0	1768.7	2044.5	2024.8	1741.4	1451.9	1315.5
11680.4	60°	10236.1	7479.3	1591.3	1398.9	1621.6	1906.6	1885.4	1597.4	1329.1	1200.3
11201.5	62.5°	9601.1	6589.7	1332.2	1262.5	1488.3	1765.6	1745.9	1486.8	1235.2	1110.9
9929.9	65°	8321.9	5360.5	1130.6	1148.8	1353.4	1595.9	1624.7	1394.3	1160.9	1039.7
7682.4	67.5°	6347.2	3882.9	973.0	1050.3	1221.5	1429.2	1512.5	1327.6	1098.8	983.6
4445.1	70°	3617.6	2205.1	839.6	954.8	1104.8	1274.6	1426.1	1274.6	1032.1	936.6
1665.6	72.5°	1371.6	1012.4	726.0	859.3	992.7	1144.2	1330.7	1191.2	954.8	883.6
860.8	75°	732.0	616.8	610.8	747.2	863.9	1016.9	1210.9	1109.4	897.2	933.6
595.6	77.5°	498.6	436.5	510.7	639.6	722.9	876.0	1083.6	985.1	777.5	774.5
412.2	80°	345.5	309.2	415.3	515.3	559.2	736.6	945.7	845.7	633.5	591.1
254.6	82.5°	207.6	201.6	310.7	385.0	395.6	568.3	783.5	709.3	518.3	451.6
151.6	85°	113.7	119.7	198.5	225.8	230.4	397.1	613.8	548.6	398.6	334.9
54.6	87.5°	31.8	40.9	72.7	89.4	110.6	206.1	365.2	325.8	200.1	139.4
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°
3735.9
4010.2
4184.5
4234.5
4207.2
4143.5
4055.6
3907.1
3744.9
3641.9
3557.0
3463.1
3358.5
3205.4
3006.9
2755.3
2468.8
2182.4
1959.6
1811.1
1670.1
1562.5
1420.1
1297.3
1182.1
1091.2
1020.0
965.4
924.5
871.4
963.9
713.8
565.3
454.7
338.0
139.4
0.0

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