

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: P849805

Luminaire Tested: **GLAN-SB7A-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22860 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

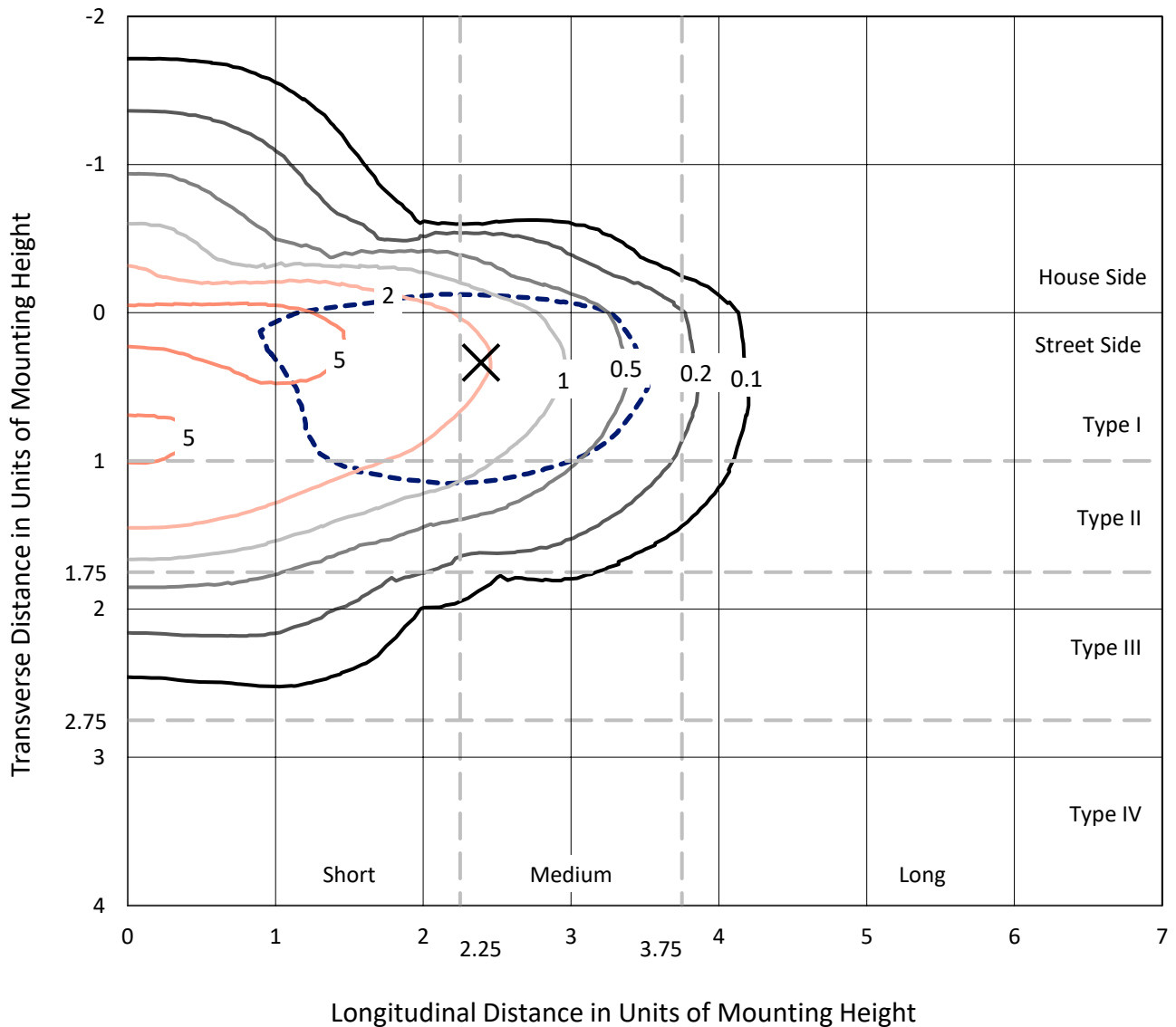
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

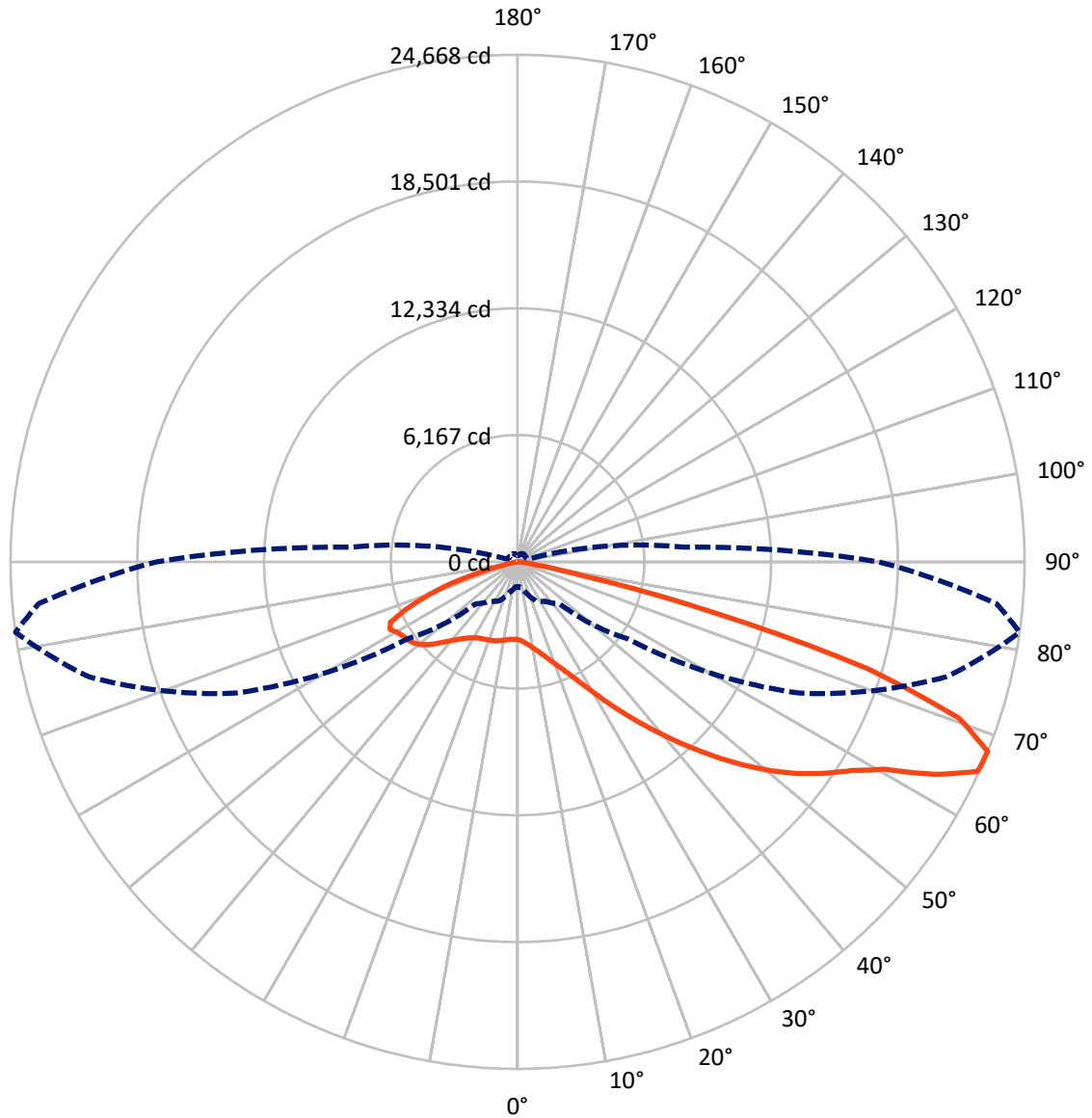
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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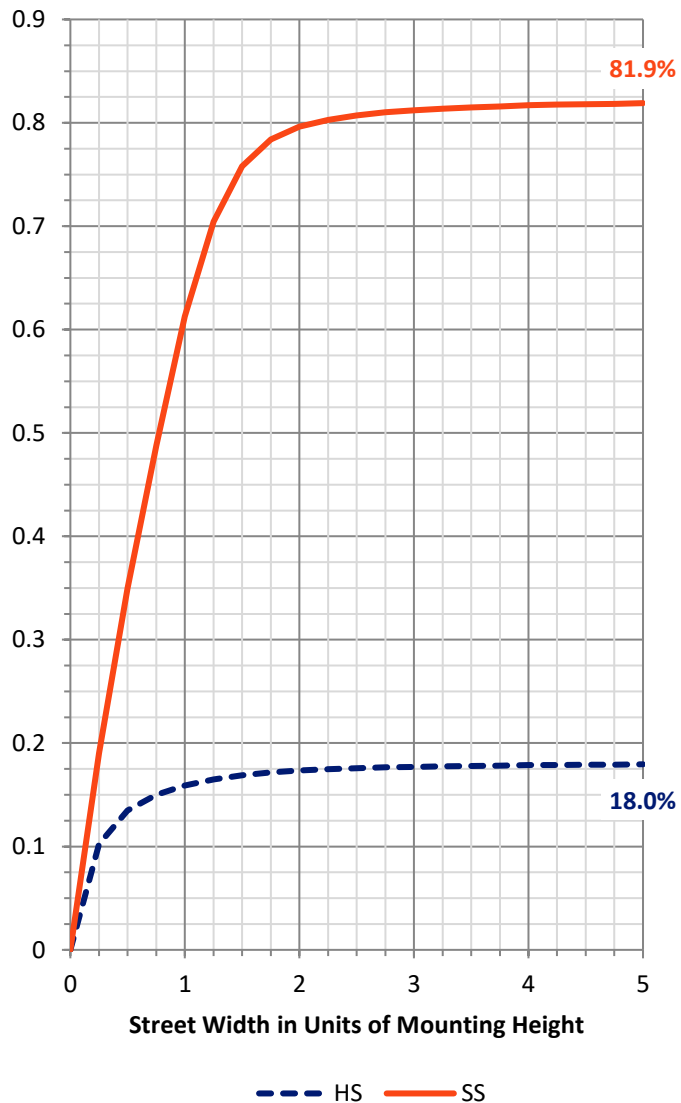
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4140.9	0.0	4140.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	18719.1	0.0	18719.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	22860.0	0.0	22860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.4	1.5
10°-20°	876.8	3.8
20°-30°	1404.3	6.1
30°-40°	2483.3	10.9
40°-50°	4350.9	19.0
50°-60°	5802.9	25.4
60°-70°	5402.2	23.6
70°-80°	2073.4	9.1
80°-90°	128.8	0.6
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°	22860.0	100.0
0°-180°	22860.0	100.0

**Coefficient of Utilization**

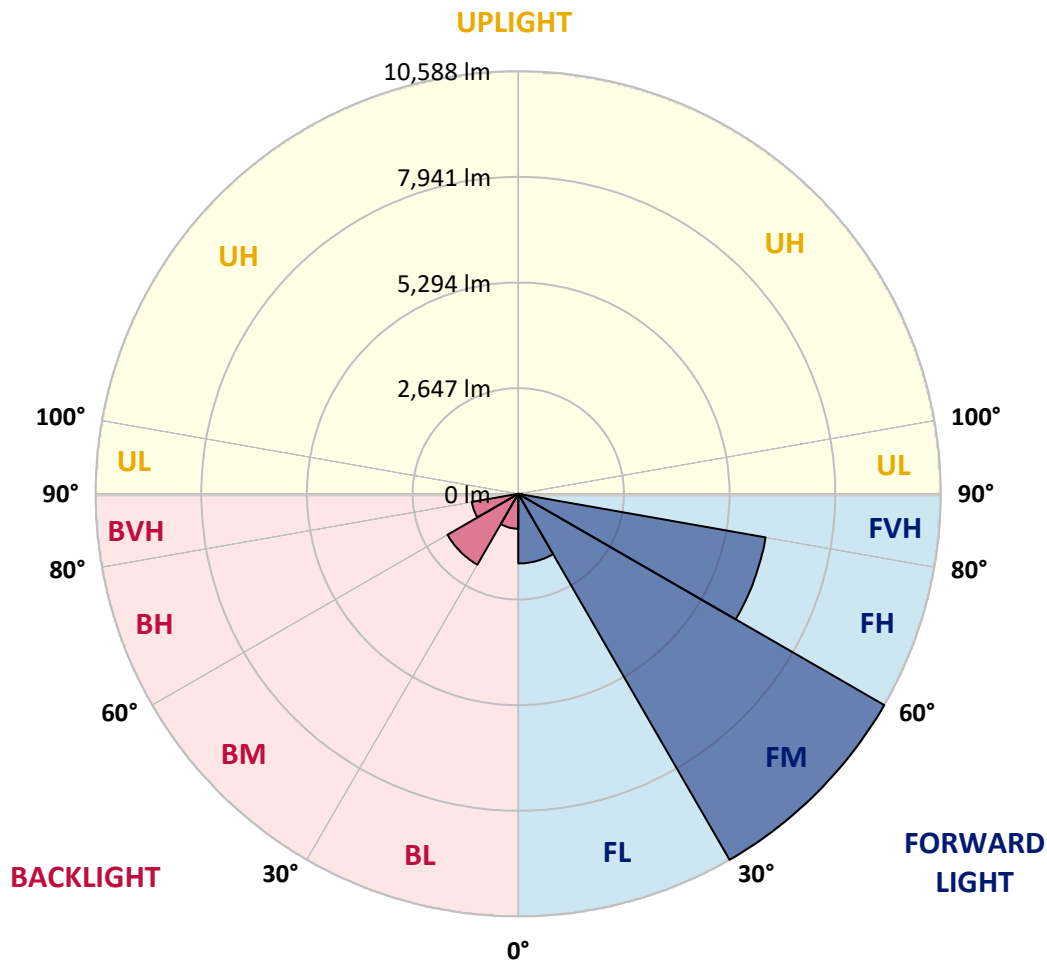


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1744.0	7.6			
FM	(30°-60°)	10587.8	46.3			
FH	(60°-80°)	6293.7	27.5			G3/7500
FVH	(80°-90°)	93.6	0.4			G1/100
BL	(0°-30°)	874.5	3.8	B2/1000		
BM	(30°-60°)	2049.3	9.0	B2/2500		
BH	(60°-80°)	1181.9	5.2	B3/2500		G3/2500
BVH	(80°-90°)	35.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1
2.5°	4002.7	4025.8	4012.6	4006.0	3994.5	3978.0	3964.9	3923.7	3880.9	3853.0
5°	4083.4	4106.4	4104.8	4111.4	4119.6	4124.5	4121.2	4075.2	4014.3	3966.5
7.5°	4014.3	4040.6	4062.0	4094.9	4152.5	4213.4	4243.0	4233.2	4170.6	4104.8
10°	3818.4	3846.4	3897.4	3974.8	4096.6	4228.2	4338.5	4389.5	4350.0	4277.6
12.5°	3459.6	3487.6	3588.0	3755.9	3959.9	4188.7	4399.4	4536.0	4545.9	4473.5
15°	3056.4	3084.3	3191.3	3402.0	3713.1	4080.1	4432.3	4690.7	4777.9	4715.4
17.5°	2806.2	2830.9	2911.5	3081.1	3405.3	3862.8	4420.8	4855.3	5054.4	5005.1
20°	2730.5	2751.9	2789.7	2908.2	3178.2	3637.4	4345.1	5010.0	5352.3	5324.4
22.5°	2811.1	2830.9	2842.4	2895.1	3064.6	3489.2	4249.6	5168.0	5698.0	5701.3
25°	2997.1	3016.9	3003.7	3036.6	3110.7	3443.1	4213.4	5354.0	6132.5	6168.7
27.5°	3303.2	3304.9	3273.6	3272.0	3283.5	3512.3	4251.3	5553.1	6680.6	6748.0
30°	3917.2	3892.5	3772.3	3642.3	3583.0	3719.6	4356.6	5788.5	7327.4	7447.5
32.5°	4863.5	4827.3	4606.8	4295.7	3983.0	4053.8	4545.9	6056.8	8031.8	8249.1
35°	5890.5	5880.7	5650.2	5187.8	4641.3	4529.4	4853.6	6409.0	8800.4	9146.1
37.5°	6845.1	6840.2	6708.5	6163.8	5498.8	5192.7	5347.4	6869.8	9623.4	10123.7
40°	7717.4	7732.3	7600.6	7113.4	6443.5	6043.6	6018.9	7439.3	10538.5	11188.6
42.5°	8471.3	8487.7	8354.4	7994.0	7376.8	6985.0	6843.5	8137.1	11432.2	12332.4
45°	8983.1	9085.2	9065.4	8777.4	8334.6	7928.1	7834.3	9012.7	12450.9	13545.4
47.5°	9128.0	9221.8	9369.9	9409.4	9139.5	8739.5	8851.4	10067.7	13481.3	14760.1
50°	8770.8	8858.0	9165.8	9575.6	9763.3	9639.8	9840.6	11198.4	14536.3	15971.4
52.5°	8066.4	8155.2	8543.7	9192.1	9957.5	10345.9	10833.1	12312.7	15558.3	17118.6
55°	7047.6	7141.4	7640.1	8374.1	9587.1	10637.2	11660.9	13425.3	16494.8	18150.6
57.5°	5661.8	5730.9	6249.3	7276.4	8655.6	10347.5	12271.5	14639.9	17377.0	19164.4
60°	3690.0	3750.9	4353.3	5498.8	7111.8	9379.8	12393.3	15994.5	18548.9	20482.8
62.5°	2454.0	2495.1	2852.3	3693.3	5008.4	7521.6	11680.7	17075.8	20267.1	22777.1
65°	1683.7	1724.9	2082.0	2667.9	3235.8	4975.4	9631.6	16932.6	21824.1	24599.1
67.5°	1201.5	1236.0	1538.9	2091.9	2342.1	2890.1	6529.1	15102.4	21600.3	24668.2
70°	860.8	880.5	1130.7	1629.4	1861.5	1736.4	3630.8	11550.7	18912.6	22778.7
72.5°	602.4	609.0	785.1	1241.0	1499.4	1267.3	1728.2	7701.0	14304.2	17879.0
75°	408.2	416.4	528.3	910.2	1203.1	967.8	915.1	4129.5	8397.2	9896.6
77.5°	250.2	253.5	340.7	622.1	900.3	737.3	589.2	1749.6	3248.9	3189.7
80°	141.5	141.5	217.3	386.8	613.9	475.7	413.1	743.9	1028.7	903.6
82.5°	79.0	80.6	158.0	240.3	406.5	281.4	227.1	344.0	444.4	393.4
85°	32.9	36.2	97.1	113.6	194.2	139.9	92.2	144.8	164.6	146.5
87.5°	3.3	4.9	29.6	21.4	23.0	28.0	13.2	28.0	23.0	23.0
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°
3787.1	0°	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1	3787.1
3843.1	2.5°	3811.8	3787.1	3724.6	3652.2	3556.7	3510.6	3448.1	3405.3	3369.1	3372.4
3938.5	5°	3885.9	3823.3	3683.4	3509.0	3291.7	3137.0	2972.4	2858.9	2766.7	2746.9
4070.2	7.5°	3987.9	3889.2	3643.9	3329.6	2962.6	2684.4	2435.9	2276.2	2162.7	2126.5
4229.9	10°	4119.6	3976.4	3592.9	3104.1	2575.8	2221.9	1955.3	1830.2	1752.8	1726.5
4417.5	12.5°	4272.7	4076.8	3525.4	2829.2	2177.5	1836.8	1667.3	1604.7	1580.0	1571.8
4647.9	15°	4465.2	4201.9	3423.4	2503.4	1840.1	1601.4	1529.0	1520.8	1524.1	1520.8
4924.4	17.5°	4694.0	4338.5	3257.2	2167.6	1612.9	1481.3	1454.9	1461.5	1469.8	1468.1
5233.8	20°	4944.2	4473.5	3044.8	1869.7	1458.2	1395.7	1380.9	1387.5	1394.0	1390.8
5591.0	22.5°	5228.9	4618.3	2809.5	1637.6	1354.5	1316.7	1300.2	1301.9	1301.9	1295.3
6043.6	25°	5569.6	4777.9	2562.6	1473.0	1275.5	1245.9	1226.2	1219.6	1209.7	1190.0
6593.3	27.5°	5976.1	4947.5	2325.6	1357.8	1213.0	1185.0	1162.0	1145.5	1120.8	1087.9
7253.3	30°	6433.7	5153.2	2124.8	1285.4	1163.6	1135.6	1109.3	1084.6	1048.4	1007.3
8012.1	32.5°	6971.9	5373.7	1978.3	1237.7	1119.2	1089.6	1058.3	1028.7	989.2	948.0
8864.6	35°	7613.8	5640.4	1892.7	1204.8	1084.6	1045.1	1010.6	977.6	948.0	911.8
9791.2	37.5°	8310.0	5923.5	1866.4	1188.3	1061.6	1000.7	961.2	938.1	934.8	913.5
10793.6	40°	9072.0	6259.2	1886.2	1178.4	1036.9	957.9	915.1	910.2	918.4	880.5
11865.0	42.5°	9878.5	6657.5	1919.1	1166.9	1002.3	915.1	874.0	874.0	867.4	814.7
12997.4	45°	10750.8	7116.7	1952.0	1138.9	961.2	872.3	841.0	829.5	801.5	750.5
14136.3	47.5°	11629.7	7584.1	1976.7	1087.9	911.8	836.1	808.1	781.8	740.6	694.6
15253.8	50°	12464.1	8003.8	1950.3	1012.2	855.8	801.5	771.9	735.7	691.3	660.0
16312.1	52.5°	13209.7	8367.6	1838.4	923.3	796.6	765.3	739.0	701.1	664.9	632.0
17266.7	55°	13858.2	8662.2	1640.9	839.4	743.9	734.1	707.7	660.0	610.6	582.6
18213.1	57.5°	14480.3	8886.0	1394.0	770.3	696.2	699.5	660.0	617.2	571.1	541.5
19488.7	60°	15308.2	9185.6	1143.9	706.1	645.2	655.1	612.3	581.0	523.4	485.5
21676.0	62.5°	16631.4	9651.3	908.5	627.1	585.9	589.2	571.1	533.3	464.1	419.7
23297.2	65°	17681.5	9480.2	715.9	541.5	518.4	523.4	523.4	482.2	408.2	357.2
23384.4	67.5°	17563.0	8117.4	571.1	457.5	454.3	457.5	469.1	434.5	362.1	320.9
21603.6	70°	16178.8	6456.7	457.5	380.2	395.0	386.8	419.7	396.7	325.9	284.7
16748.3	72.5°	13201.5	4651.2	348.9	314.4	302.8	316.0	378.5	357.2	271.6	225.5
8871.2	75°	7714.2	2482.0	260.0	248.5	218.9	263.3	335.8	304.5	207.4	166.2
2719.0	77.5°	2511.6	865.7	190.9	182.7	162.9	212.3	286.4	256.8	169.5	131.7
796.6	80°	673.2	261.7	130.0	120.1	105.3	158.0	227.1	204.1	121.8	85.6
342.3	82.5°	269.9	110.3	75.7	67.5	57.6	108.6	179.4	164.6	90.5	54.3
107.0	85°	87.2	36.2	28.0	21.4	26.3	67.5	107.0	111.9	64.2	28.0
16.5	87.5°	11.5	4.9	4.9	6.6	4.9	11.5	32.9	31.3	18.1	3.3
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°
3787.1
3339.5
2702.5
2090.2
1706.8
1566.9
1519.1
1464.8
1389.1
1292.0
1186.7
1084.6
1004.0
949.7
908.5
911.8
882.2
814.7
748.9
692.9
655.1
628.7
579.3
538.2
480.6
416.4
352.2
314.4
279.8
220.5
161.3
126.7
83.9
54.3
21.4
0.0
0.0

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