

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: P848098

Luminaire Tested: **GLAN-SB4C-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848098  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29013 lumens  
Efficiency: N/A  
Efficacy: 144.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

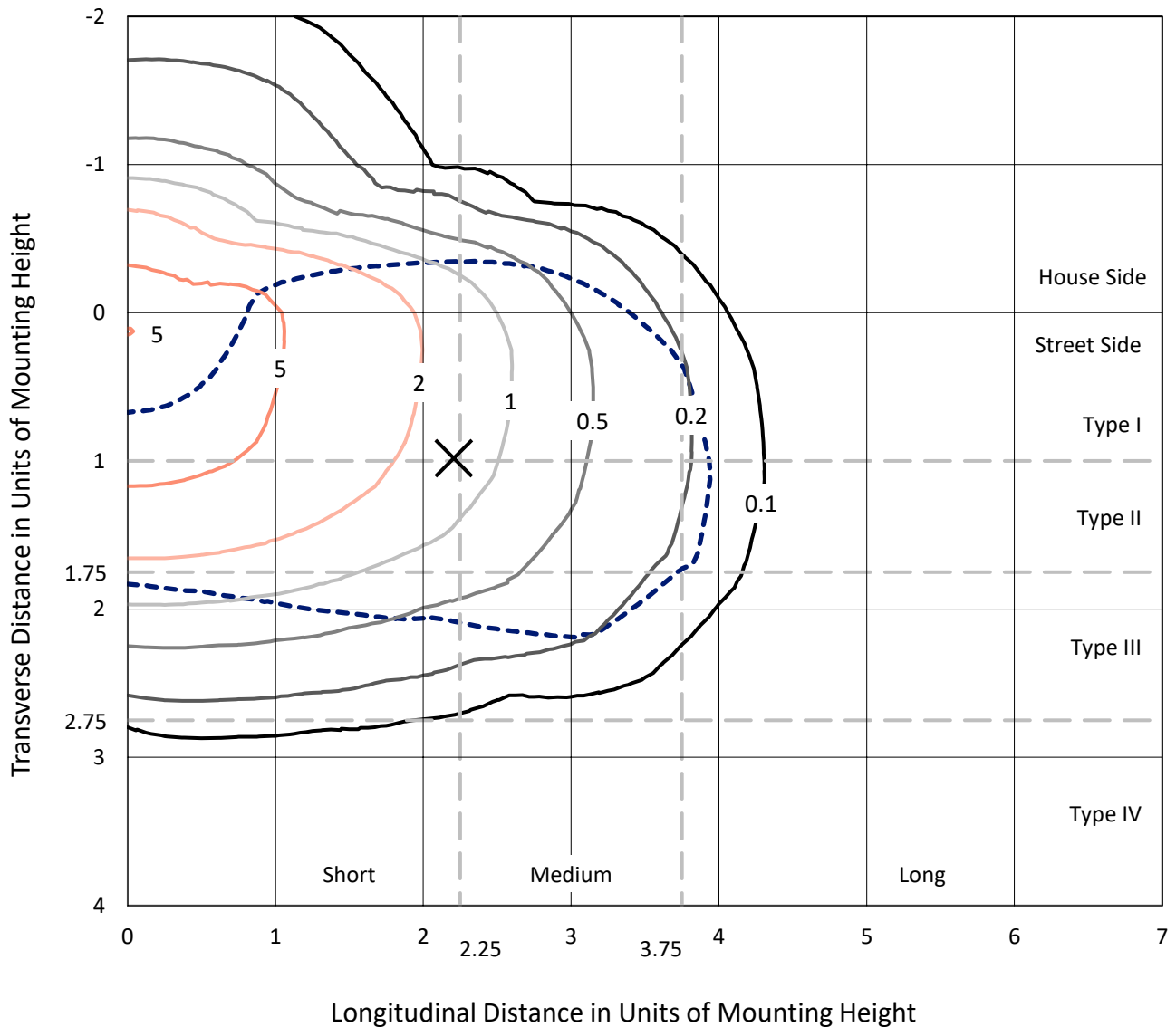
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

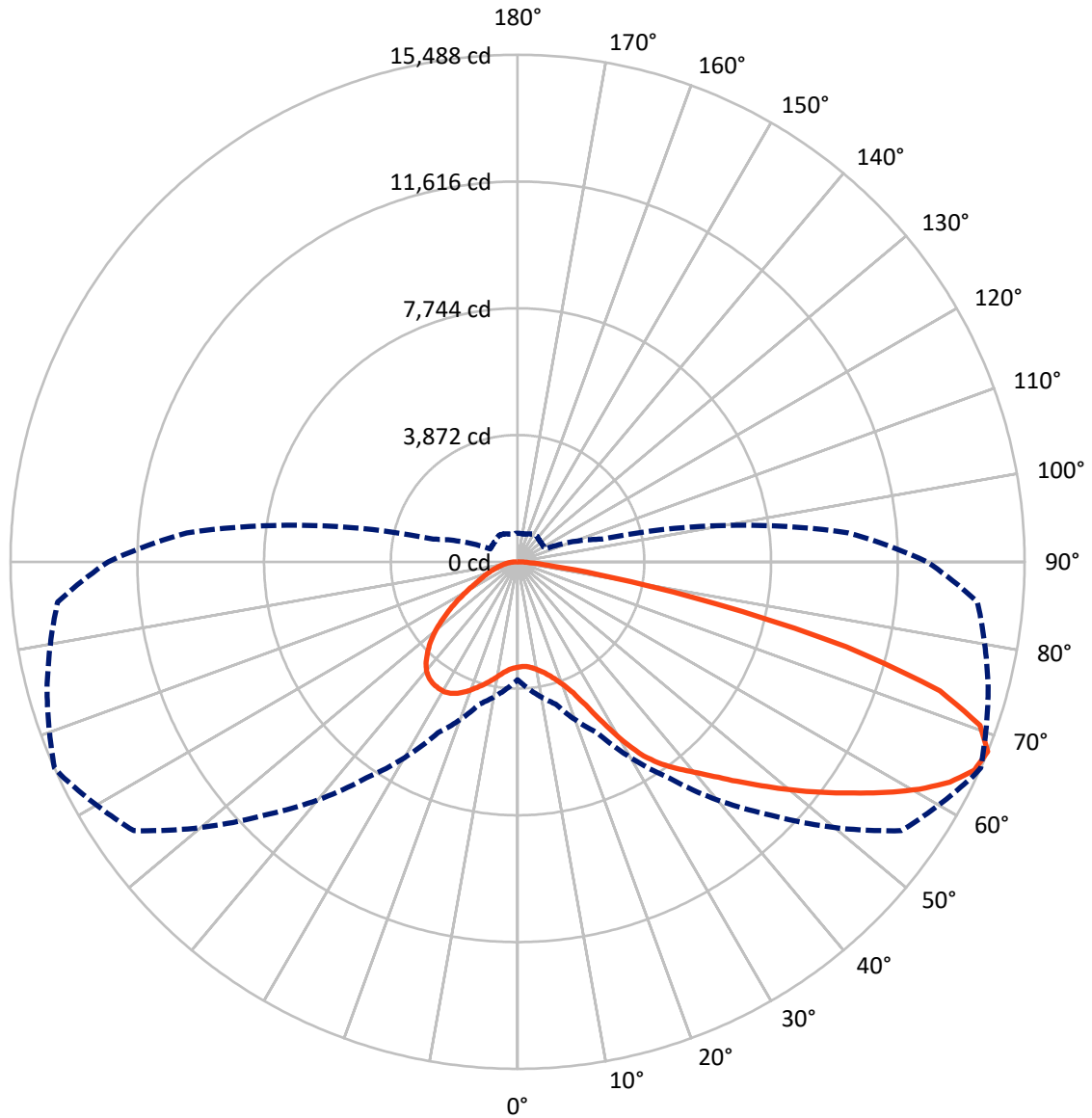
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7214.0	0.0	7214.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	21799.0	0.0	21799.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	29013.0	0.0	29013.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	1.1
10°-20°	1054.1	3.6
20°-30°	2031.7	7.0
30°-40°	3562.3	12.3
40°-50°	5296.0	18.3
50°-60°	6713.1	23.1
60°-70°	6568.6	22.6
70°-80°	3133.3	10.8
80°-90°	334.9	1.2
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°	29013.0	100.0
0°-180°	29013.0	100.0

**Coefficient of Utilization**

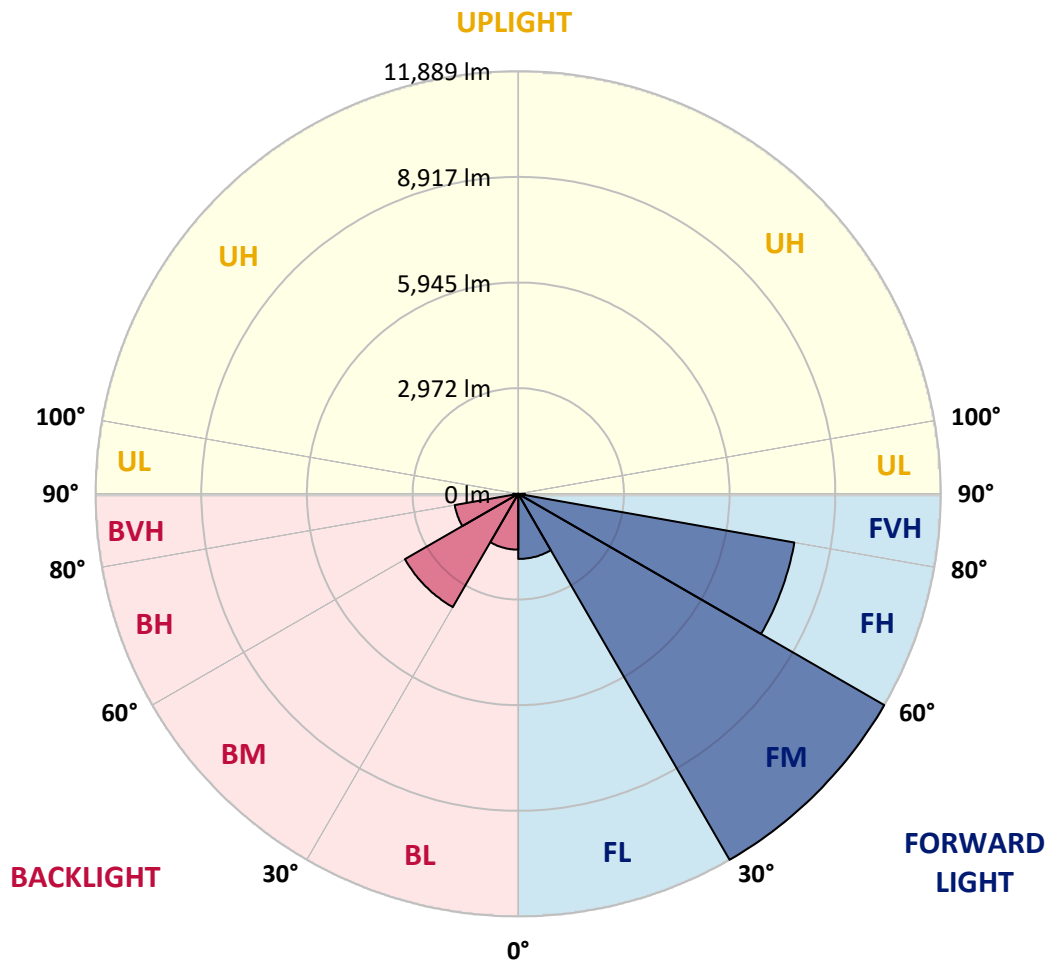


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1833.3	6.3			
FM (30°-60°)	11889.3	41.0			
FH (60°-80°)	7886.5	27.2			G4/12000
FVH (80°-90°)	189.9	0.7			G2/225
BL (0°-30°)	1571.5	5.4	B3/2500		
BM (30°-60°)	3682.1	12.7	B3/5000		
BH (60°-80°)	1815.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	145.0	0.5			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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9
2.5°	3184.4	3202.7	3198.1	3190.5	3189.0	3192.0	3196.6	3201.2	3199.6	3207.3
5°	3175.2	3193.5	3192.0	3192.0	3198.1	3210.3	3217.9	3225.5	3217.9	3227.1
7.5°	3181.3	3195.1	3201.2	3207.3	3222.5	3245.4	3263.7	3280.4	3271.3	3281.9
10°	3259.1	3269.8	3275.9	3275.9	3286.5	3312.4	3330.7	3361.2	3353.6	3370.4
12.5°	3400.8	3411.5	3411.5	3405.4	3413.0	3429.8	3435.9	3469.4	3455.7	3483.2
15°	3574.6	3596.0	3579.2	3568.5	3571.6	3588.3	3586.8	3612.7	3599.0	3621.9
17.5°	3766.7	3794.1	3766.7	3765.2	3759.1	3777.4	3778.9	3801.8	3777.4	3794.1
20°	3993.8	4031.9	4009.1	4016.7	4003.0	4010.6	4018.2	4051.8	4013.6	4025.8
22.5°	4313.9	4359.7	4335.3	4364.2	4355.1	4349.0	4347.5	4406.9	4347.5	4352.0
25°	4780.4	4835.3	4792.6	4832.2	4832.2	4852.0	4874.9	4951.1	4852.0	4823.1
27.5°	5469.4	5524.3	5440.4	5464.8	5457.2	5506.0	5481.6	5670.6	5563.9	5516.7
30°	6298.7	6396.2	6237.7	6231.6	6224.0	6301.7	6336.8	6461.8	6353.5	6306.3
32.5°	7195.0	7297.1	7108.1	7053.2	7024.3	7071.5	7042.5	7143.2	7068.5	6995.3
35°	8143.1	8243.7	8063.9	7957.2	7841.3	7742.2	7638.6	7664.5	7594.4	7483.1
37.5°	9039.5	9223.9	9033.4	8919.0	8705.6	8512.0	8222.4	8102.0	8036.4	7934.3
40°	9952.6	10057.7	9912.9	9815.4	9583.7	9280.3	8816.9	8562.3	8473.9	8374.8
42.5°	10624.8	10725.4	10647.7	10580.6	10399.2	10047.1	9448.0	9129.4	9001.3	8890.1
45°	11158.3	11233.0	11184.2	11208.6	11130.9	10789.4	10101.9	9737.6	9605.0	9469.3
47.5°	11373.3	11452.5	11530.3	11675.1	11807.7	11556.2	10804.7	10396.1	10255.9	10117.2
50°	11348.9	11429.7	11655.3	11963.2	12374.8	12290.9	11545.5	11097.3	10967.8	10809.2
52.5°	11153.7	11245.2	11534.8	12047.0	12702.5	12841.2	12300.1	11821.4	11699.5	11510.4
55°	10641.6	10696.4	11130.9	11856.5	12780.2	13225.4	13039.4	12592.7	12470.8	12207.1
57.5°	9691.9	9771.2	10403.8	11342.8	12585.1	13486.0	13688.8	13403.7	13286.3	12906.8
60°	8452.6	8579.1	9303.2	10480.0	12088.2	13484.5	14278.7	14200.9	14103.4	13595.8
62.5°	7050.2	7196.5	7893.1	9260.5	11219.3	13101.9	14647.6	14868.6	14818.3	14231.4
65°	5414.5	5515.1	6208.7	7682.8	9867.2	12280.2	14690.3	15324.4	15333.5	14714.7
67.5°	3605.1	3894.7	4496.9	5765.1	8056.2	10937.3	14315.3	15399.1	15487.5	14880.8
70°	1759.1	2140.2	2730.1	3746.9	5765.1	8877.9	13335.1	14786.3	14982.9	14396.1
72.5°	730.2	853.6	1175.3	1849.0	3309.4	5990.7	11365.6	13124.7	13489.1	12755.8
75°	492.4	533.5	672.2	948.2	1507.6	2954.2	8196.5	9786.4	10373.3	9634.0
77.5°	379.6	405.5	489.3	663.1	896.3	1117.4	4387.1	5897.8	6201.1	5740.7
80°	298.8	318.6	365.8	483.2	635.7	597.5	1495.4	2672.2	2847.5	2388.7
82.5°	259.1	266.8	262.2	327.7	422.2	349.1	490.8	986.3	1088.4	789.6
85°	187.5	208.8	218.0	202.7	224.1	176.8	201.2	349.1	384.1	343.0
87.5°	76.2	112.8	138.7	131.1	82.3	50.3	62.5	102.1	117.4	128.0
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°
3217.9	0°	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9	3217.9
3219.4	2.5°	3221.0	3231.6	3239.3	3248.4	3254.5	3263.7	3281.9	3292.6	3294.1	3301.8
3243.8	5°	3249.9	3265.2	3281.9	3306.3	3333.8	3356.6	3391.7	3416.1	3425.2	3432.9
3303.3	7.5°	3312.4	3333.8	3364.3	3406.9	3446.6	3477.1	3519.7	3548.7	3577.7	3588.3
3397.8	10°	3405.4	3435.9	3480.1	3538.0	3580.7	3620.4	3664.6	3689.0	3717.9	3730.1
3510.6	12.5°	3521.3	3553.3	3611.2	3692.0	3731.6	3759.1	3774.3	3768.2	3774.3	3785.0
3646.3	15°	3653.9	3689.0	3754.5	3841.4	3868.8	3844.4	3810.9	3780.4	3775.8	3778.9
3810.9	17.5°	3810.9	3836.8	3913.0	3986.2	3966.4	3865.8	3792.6	3743.8	3719.4	3711.8
4021.3	20°	4030.4	4030.4	4092.9	4138.6	4006.0	3835.3	3721.0	3641.7	3591.4	3570.1
4307.8	22.5°	4297.2	4272.8	4312.4	4280.4	3998.4	3749.9	3591.4	3454.2	3378.0	3347.5
4708.7	25°	4635.6	4606.6	4595.9	4397.8	3943.5	3614.3	3356.6	3190.5	3123.4	3106.6
5286.5	27.5°	5146.2	5073.1	4934.4	4461.8	3842.9	3400.8	3082.3	2928.3	2890.2	2891.7
6028.8	30°	5826.1	5679.8	5339.8	4472.5	3678.3	3099.0	2801.8	2692.0	2673.7	2681.4
6652.3	32.5°	6455.7	6317.0	5754.5	4423.7	3425.2	2803.3	2550.3	2477.1	2449.6	2458.8
7127.9	35°	6949.6	6911.5	6138.6	4355.1	3114.3	2525.9	2324.6	2262.2	2208.8	2196.6
7576.1	37.5°	7416.0	7400.8	6426.7	4259.1	2806.3	2329.2	2143.3	2060.9	1983.2	1940.5
8071.5	40°	7928.2	7913.0	6615.7	4111.2	2533.5	2158.5	1980.1	1871.9	1775.9	1698.1
8632.5	42.5°	8504.4	8414.5	6705.7	3899.3	2301.8	2013.7	1847.5	1701.2	1574.7	1503.0
9266.6	45°	9134.0	8931.2	6704.1	3629.5	2106.7	1881.1	1705.8	1498.4	1381.1	1314.0
9917.5	47.5°	9801.6	9425.1	6621.8	3330.7	1917.6	1734.7	1486.3	1327.7	1250.0	1208.8
10624.8	50°	10490.6	9887.0	6481.6	2987.7	1724.1	1568.6	1349.1	1240.8	1181.4	1143.3
11326.0	52.5°	11138.5	10306.2	6312.4	2599.0	1527.4	1407.0	1288.1	1204.2	1141.7	1099.1
12005.9	55°	11740.6	10667.5	6073.1	2201.2	1367.4	1298.8	1259.1	1189.0	1117.4	1067.1
12696.4	57.5°	12275.7	10902.2	5660.0	1827.7	1253.0	1224.1	1228.6	1163.1	1080.8	1038.1
13376.3	60°	12720.8	11074.5	5048.7	1481.7	1160.0	1150.9	1181.4	1114.3	1018.3	969.5
13950.9	62.5°	12987.6	11071.4	4298.7	1213.4	1080.8	1083.8	1118.9	1053.3	955.8	910.0
14251.2	65°	12964.7	10800.1	3475.5	1038.1	1004.6	1007.6	1053.3	986.3	903.9	876.5
14100.3	67.5°	12505.9	10138.5	2666.1	923.8	920.7	934.4	987.8	940.5	871.9	868.9
13201.0	70°	11263.5	8765.1	1920.7	832.3	833.8	853.6	923.8	911.6	855.2	861.3
11098.9	72.5°	9031.8	6682.8	1289.6	736.3	737.8	769.8	862.8	888.7	838.4	919.2
7874.8	75°	6015.1	4167.6	829.3	634.1	635.7	676.8	809.4	844.5	792.7	916.1
4097.5	77.5°	2890.2	1873.4	600.6	533.5	533.5	571.6	699.7	756.1	675.3	711.9
1317.0	80°	998.5	704.3	472.6	429.9	420.7	446.6	589.9	655.5	582.3	536.6
429.9	82.5°	393.3	365.8	379.6	333.8	303.3	320.1	458.8	541.1	428.3	387.2
242.4	85°	225.6	237.8	268.3	221.0	175.3	196.6	336.9	388.7	323.2	285.1
79.3	87.5°	61.0	83.8	123.5	114.3	79.3	83.8	160.1	214.9	186.0	143.3
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°
3217.9
3300.2
3431.3
3589.9
3736.2
3788.0
3789.6
3722.5
3565.5
3342.9
3109.7
2896.3
2707.3
2471.0
2205.7
1942.0
1705.8
1507.6
1311.0
1199.7
1129.6
1080.8
1047.2
1010.7
948.2
896.3
875.0
873.5
859.7
931.4
923.8
652.4
503.0
385.7
291.2
147.9
0.0

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