

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: P849773

Luminaire Tested: **GLAN-SB7A-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24728 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

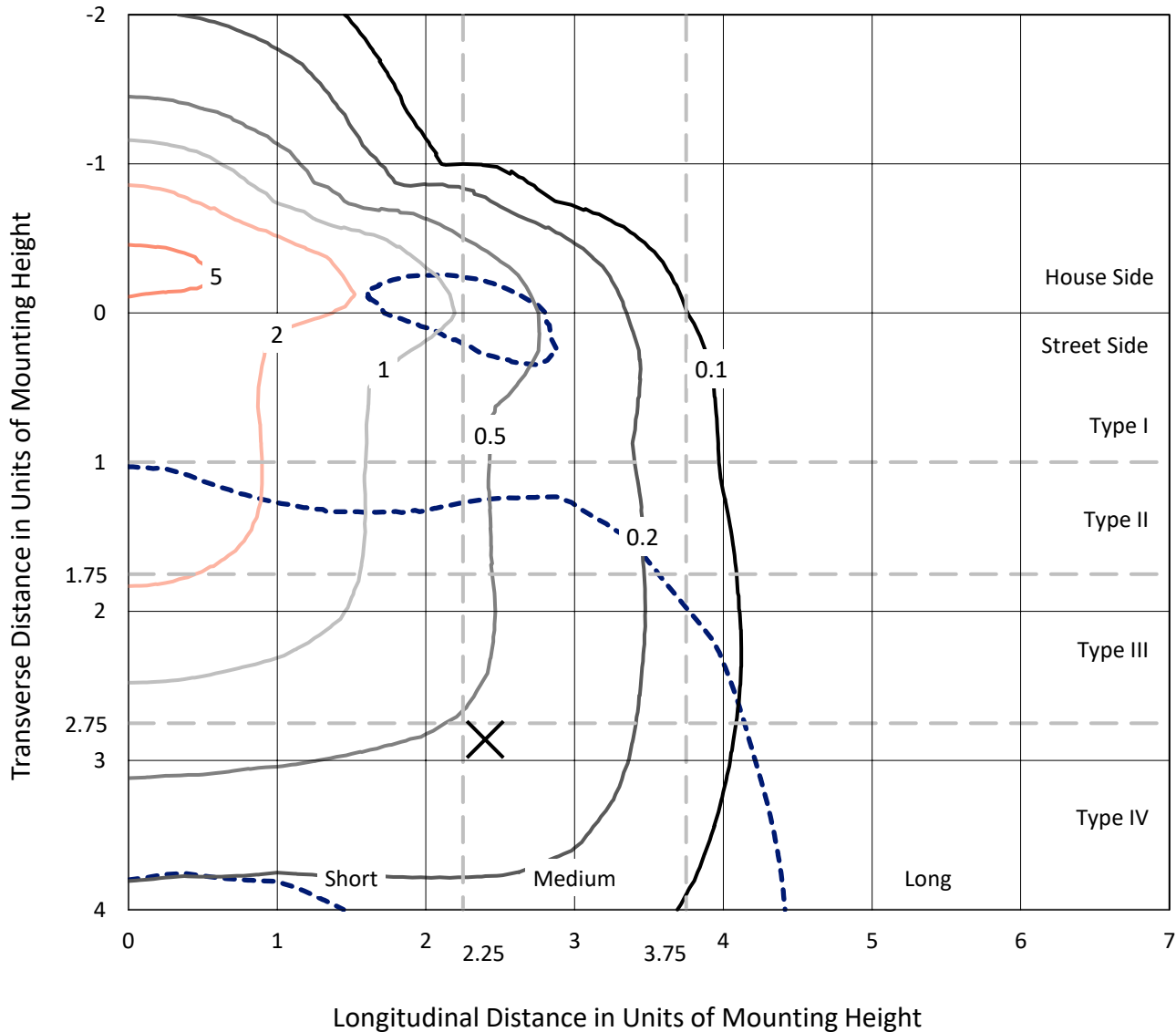
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

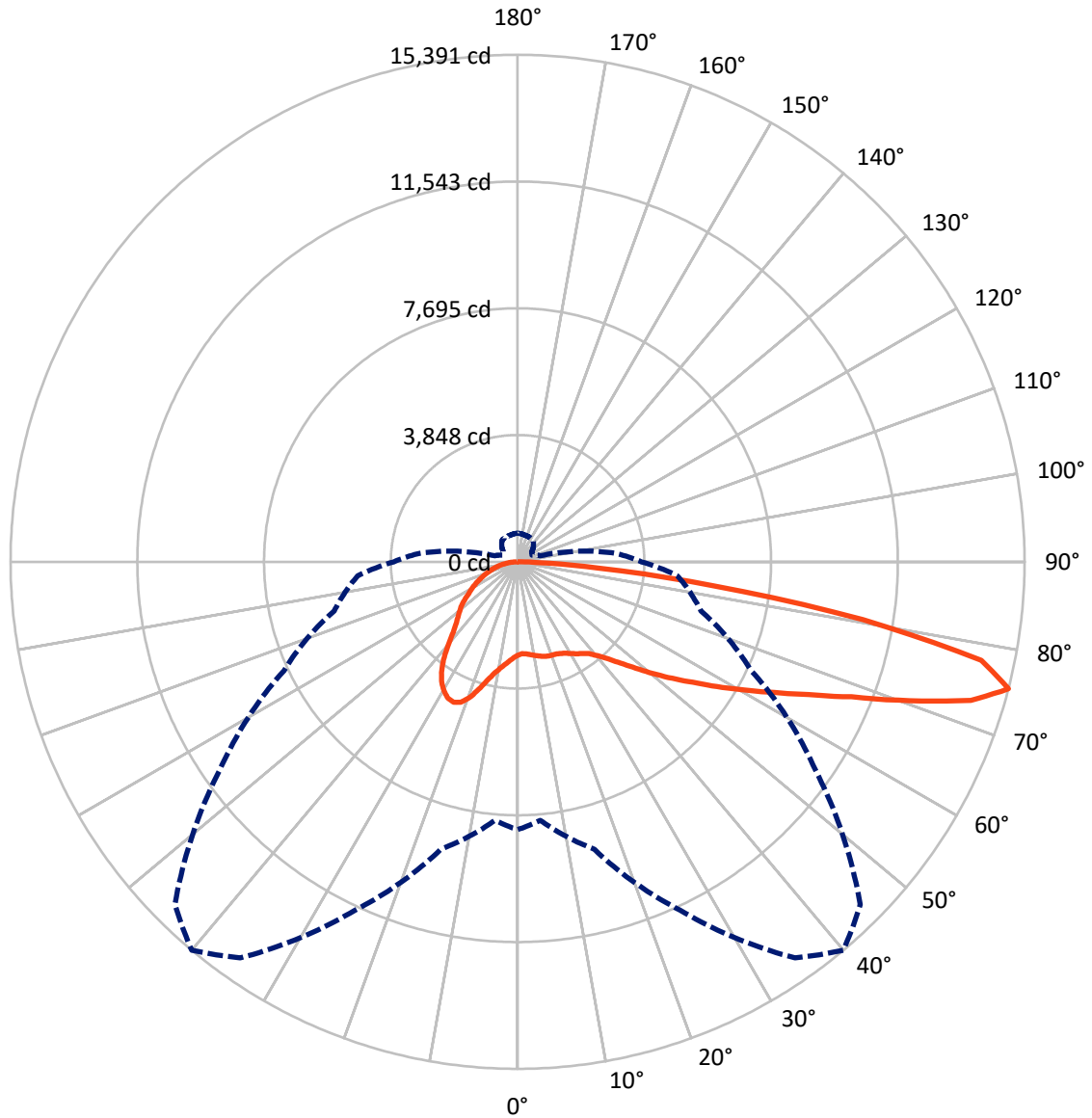
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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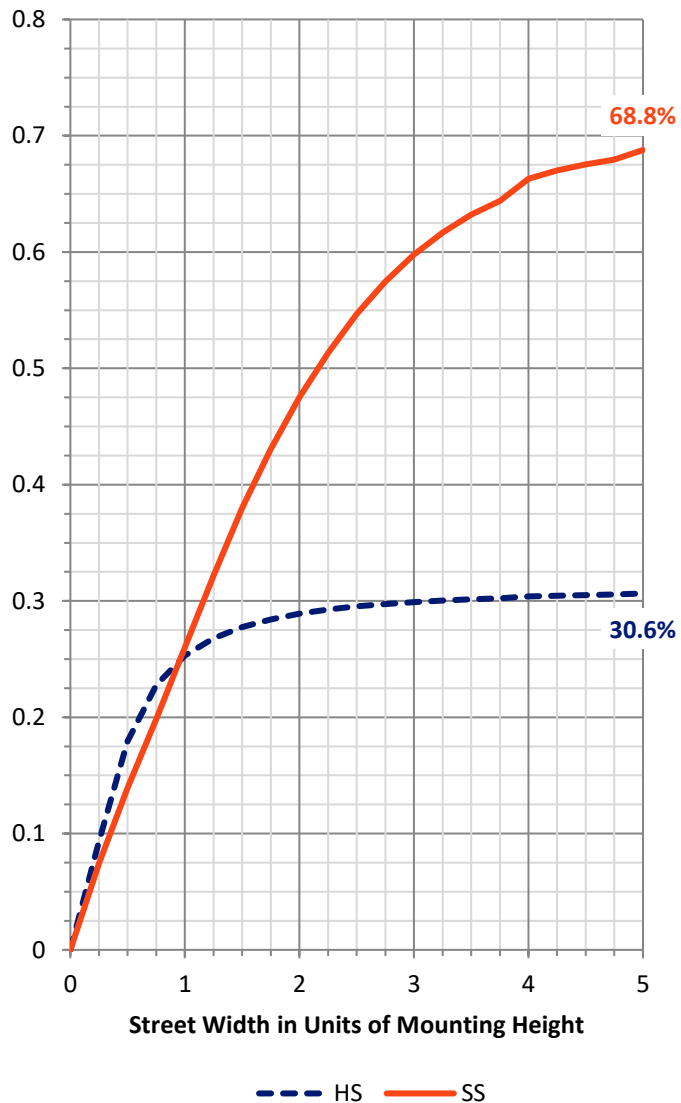
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7661.6	0.0	7661.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17066.4	0.0	17066.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	24728.0	0.0	24728.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.3	1.1
10°-20°	947.7	3.8
20°-30°	1730.4	7.0
30°-40°	2454.1	9.9
40°-50°	3313.8	13.4
50°-60°	4458.0	18.0
60°-70°	5658.2	22.9
70°-80°	5135.1	20.8
80°-90°	748.5	3.0
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°	24728.0	100.0
0°-180°	24728.0	100.0

**Coefficient of Utilization**

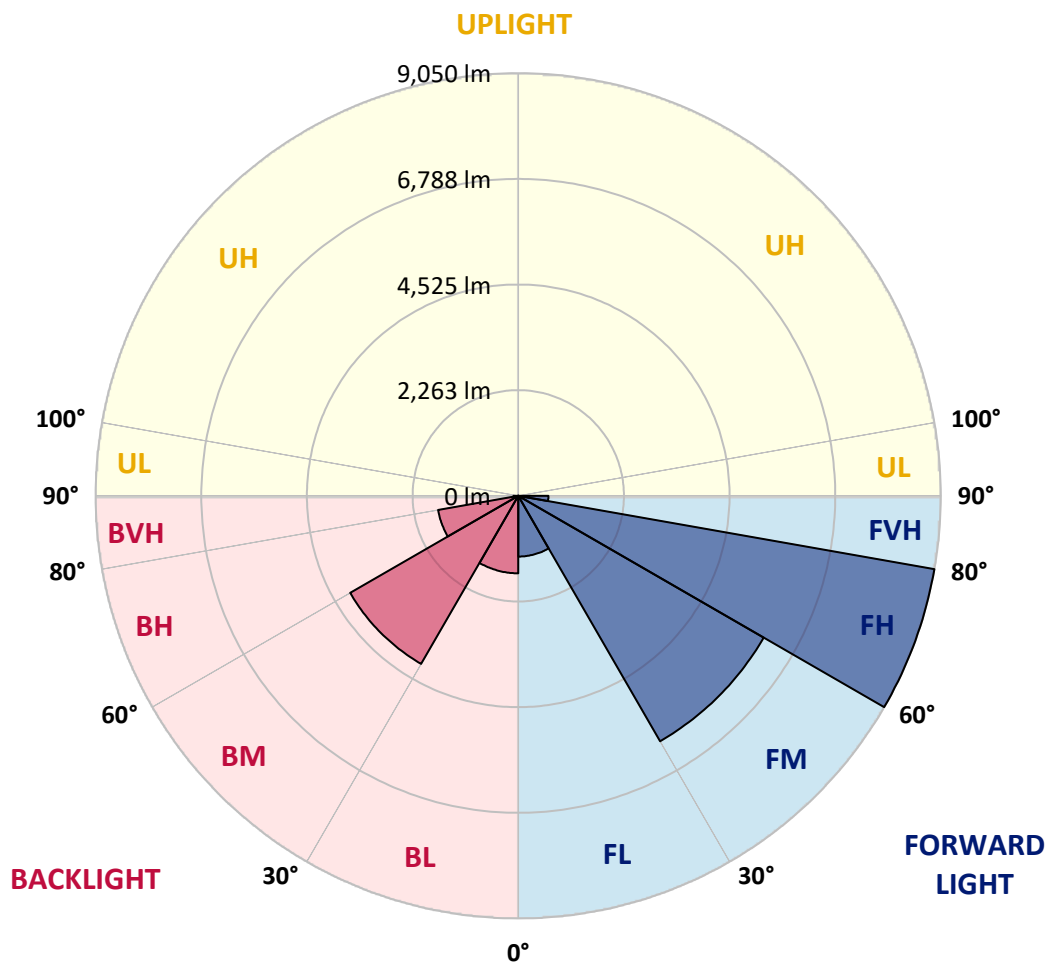


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.7	5.3			
FM (30°-60°)	6070.2	24.5			
FH (60°-80°)	9050.1	36.6			G4/12000
FVH (80°-90°)	645.5	2.6			G4/750
BL (0°-30°)	1659.6	6.7	B3/2500		
BM (30°-60°)	4155.7	16.8	B3/5000		
BH (60°-80°)	1743.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	103.1	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7
2.5°	2784.4	2800.1	2796.2	2791.0	2791.0	2792.3	2791.0	2800.1	2809.3	2818.5
5°	2813.3	2829.0	2821.1	2814.6	2809.3	2808.0	2804.1	2802.8	2808.0	2819.8
7.5°	2869.6	2885.4	2873.6	2861.8	2851.3	2846.0	2840.8	2832.9	2829.0	2835.5
10°	2932.6	2948.3	2933.9	2912.9	2895.9	2889.3	2884.1	2876.2	2871.0	2874.9
12.5°	2995.6	3011.3	2991.6	2962.8	2940.5	2936.5	2930.0	2927.4	2926.0	2924.7
15°	3054.6	3067.7	3042.8	3008.7	2985.1	2978.5	2971.9	2975.9	2982.4	2990.3
17.5°	3100.5	3113.6	3076.9	3032.3	3010.0	3007.4	3003.4	3016.5	3034.9	3054.6
20°	3142.4	3155.6	3108.3	3048.0	3021.8	3021.8	3023.1	3050.6	3076.9	3105.7
22.5°	3201.5	3212.0	3154.3	3071.6	3033.6	3036.2	3046.7	3074.2	3107.0	3146.4
25°	3289.3	3297.2	3226.4	3116.2	3072.9	3080.8	3090.0	3103.1	3134.6	3180.5
27.5°	3431.0	3437.5	3344.4	3194.9	3129.3	3142.4	3155.6	3146.4	3160.8	3200.2
30°	3630.3	3634.3	3516.2	3318.2	3225.1	3231.6	3234.3	3196.2	3168.7	3200.2
32.5°	3866.4	3865.1	3724.8	3467.7	3333.9	3327.4	3305.1	3230.3	3166.1	3193.6
35°	4232.3	4217.9	4036.9	3677.6	3457.2	3416.6	3364.1	3268.4	3179.2	3187.0
37.5°	4838.3	4793.7	4543.2	4021.2	3640.8	3537.2	3459.8	3330.0	3208.0	3184.4
40°	5521.6	5465.2	5189.8	4492.0	3916.3	3749.7	3625.1	3417.9	3255.2	3196.2
42.5°	6332.1	6252.1	5955.7	5046.8	4265.1	4023.8	3836.3	3529.4	3324.8	3234.3
45°	7327.6	7221.3	6801.6	5672.4	4704.5	4383.2	4132.7	3698.5	3431.0	3307.7
47.5°	8333.5	8359.8	7763.0	6388.5	5231.7	4826.5	4503.8	3953.0	3585.7	3425.7
50°	9402.4	9420.8	8719.1	7182.0	5829.8	5327.5	4920.9	4237.6	3800.8	3593.6
52.5°	10236.6	10239.2	9587.4	8012.2	6452.8	5878.3	5370.8	4562.8	4050.0	3816.6
55°	10758.6	10752.0	10195.9	8797.8	7168.9	6456.7	5869.1	4932.7	4354.3	4078.9
57.5°	11137.6	11117.9	10615.6	9473.3	7932.2	7140.0	6433.1	5352.4	4713.7	4391.0
60°	11281.9	11270.1	10900.2	10056.9	8734.9	7895.5	7083.6	5821.9	5121.6	4759.6
62.5°	11336.9	11359.2	11179.6	10622.2	9593.9	8732.2	7798.4	6383.3	5580.6	5176.6
65°	11531.1	11571.7	11535.0	11361.9	10564.5	9712.0	8746.7	7050.8	6081.6	5623.9
67.5°	11915.3	11956.0	11971.7	12247.2	11750.1	10933.0	9929.7	7882.4	6667.9	6088.2
70°	11906.2	11894.4	12172.4	12951.5	13234.7	12623.6	11524.5	8905.4	7366.9	6473.8
72.5°	10837.3	10742.8	11399.9	12943.6	14470.2	14388.9	13472.1	10224.8	7970.2	6521.0
75°	8130.2	7878.4	9039.1	11664.8	14676.1	15390.9	14710.2	11043.2	7827.3	5761.6
77.5°	3476.9	3223.8	4591.7	8635.2	13135.1	14387.6	13574.4	9634.6	6248.2	3810.0
80°	910.2	908.9	1387.6	3914.9	8932.9	10624.8	9321.1	6221.9	3570.0	1361.4
82.5°	376.4	367.2	510.2	1522.7	4364.8	5962.3	4865.8	2775.2	1289.2	368.5
85°	140.3	139.0	247.9	525.9	1539.7	2459.1	1779.8	709.5	321.3	179.7
87.5°	39.3	38.0	53.8	182.3	375.1	569.2	304.3	116.7	90.5	70.8
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°
2827.7	0°	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7	2827.7
2832.9	2.5°	2836.9	2843.4	2855.2	2864.4	2876.2	2889.3	2907.7	2919.5	2931.3	2939.2
2839.5	5°	2848.7	2863.1	2893.3	2923.4	2958.8	2991.6	3029.7	3057.2	3079.5	3086.1
2863.1	7.5°	2874.9	2898.5	2949.7	3000.8	3057.2	3111.0	3166.1	3213.3	3251.3	3265.7
2905.1	10°	2920.8	2952.3	3024.4	3096.5	3171.3	3253.9	3324.8	3393.0	3446.7	3469.0
2954.9	12.5°	2978.5	3017.9	3112.3	3212.0	3315.6	3429.7	3521.5	3605.4	3672.3	3702.5
3024.4	15°	3053.3	3104.4	3225.1	3358.9	3511.0	3669.7	3786.4	3879.5	3954.3	3991.0
3096.5	17.5°	3134.6	3202.8	3354.9	3556.9	3774.6	3983.1	4119.5	4187.7	4265.1	4300.5
3163.4	20°	3213.3	3297.2	3514.9	3808.7	4098.6	4320.2	4430.4	4448.7	4454.0	4457.9
3226.4	22.5°	3294.6	3407.4	3715.6	4126.1	4436.9	4590.4	4606.1	4527.4	4417.3	4366.1
3288.0	25°	3383.8	3533.3	3977.9	4476.3	4728.1	4746.5	4625.8	4434.3	4225.8	4130.0
3337.9	27.5°	3470.3	3678.9	4292.7	4810.7	4937.9	4776.6	4516.9	4245.5	3993.6	3892.7
3373.3	30°	3556.9	3845.4	4640.2	5103.2	5033.7	4701.9	4345.1	4042.2	3789.0	3682.8
3404.8	32.5°	3644.8	4039.5	5040.2	5314.4	5016.6	4543.2	4131.4	3814.0	3591.0	3479.5
3432.3	35°	3744.4	4278.2	5419.3	5429.8	4902.5	4309.7	3849.4	3541.2	3347.0	3257.9
3465.1	37.5°	3874.3	4581.2	5753.7	5458.6	4703.2	3967.4	3499.2	3218.5	3058.5	3017.9
3513.6	40°	4035.6	4945.8	6009.5	5412.7	4408.1	3551.6	3116.2	2891.9	2801.4	2810.6
3579.2	42.5°	4245.5	5353.7	6189.2	5294.7	3997.6	3122.8	2780.5	2680.8	2724.1	2760.8
3677.6	45°	4518.3	5777.3	6300.6	5094.0	3533.3	2759.5	2582.4	2606.0	2638.8	2642.8
3836.3	47.5°	4867.1	6206.2	6374.1	4791.1	3059.8	2503.7	2456.5	2461.8	2455.2	2427.7
4073.6	50°	5302.6	6623.3	6439.7	4389.7	2657.2	2343.7	2280.8	2262.4	2171.9	2082.7
4389.7	52.5°	5798.3	7006.2	6467.2	3891.3	2343.7	2209.9	2107.6	1992.2	1823.0	1795.5
4787.1	55°	6349.2	7360.4	6396.4	3278.8	2080.1	2038.1	1883.4	1744.3	1726.0	1702.4
5310.4	57.5°	7007.6	7742.0	6252.1	2595.5	1809.9	1837.5	1686.6	1702.4	1669.6	1632.9
5983.2	60°	7727.6	8136.8	5999.0	1972.6	1530.6	1587.0	1635.5	1634.2	1625.0	1594.8
6692.8	62.5°	8375.5	8396.5	5500.6	1510.9	1285.3	1392.9	1525.3	1524.0	1516.1	1499.1
7433.8	65°	8761.1	8357.1	4669.1	1189.6	1083.3	1232.8	1375.8	1386.3	1387.6	1386.3
7991.2	67.5°	8692.9	7896.8	3528.0	946.9	916.8	1070.2	1227.6	1242.0	1252.5	1255.1
8062.0	70°	7921.7	6885.6	2300.4	755.4	768.6	927.3	1087.3	1101.7	1110.9	1121.4
6995.8	72.5°	6174.7	5062.5	1316.8	611.2	638.7	804.0	948.2	965.3	970.5	990.2
4868.4	75°	3762.8	2977.2	710.9	481.3	524.6	687.2	810.5	830.2	839.4	863.0
2390.9	77.5°	1788.9	1289.2	405.3	375.1	422.3	561.3	684.6	706.9	682.0	695.1
659.7	80°	604.6	478.7	255.8	285.9	322.6	438.1	548.2	570.5	518.1	515.4
219.0	82.5°	211.2	194.1	162.6	190.2	208.5	313.5	414.4	443.3	385.6	384.3
98.4	85°	82.6	78.7	90.5	103.6	124.6	192.8	272.8	287.2	237.4	191.5
28.9	87.5°	17.1	18.4	22.3	23.6	38.0	66.9	98.4	120.7	95.7	81.3
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



<u>180°</u>
2827.7
2933.9
3088.7
3267.0
3470.3
3702.5
3988.4
4299.2
4468.4
4380.5
4144.5
3904.5
3694.6
3493.9
3277.5
3046.7
2842.1
2794.9
2669.0
2448.6
2094.5
1804.7
1706.3
1626.3
1584.3
1492.5
1386.3
1257.8
1126.6
998.1
865.6
684.6
510.2
365.9
188.9
74.8
0.0

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