

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: P849843

Luminaire Tested: **GLAN-SB7A-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849843
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 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: 25213 lumens
Efficiency: N/A
Efficacy: 126.6 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

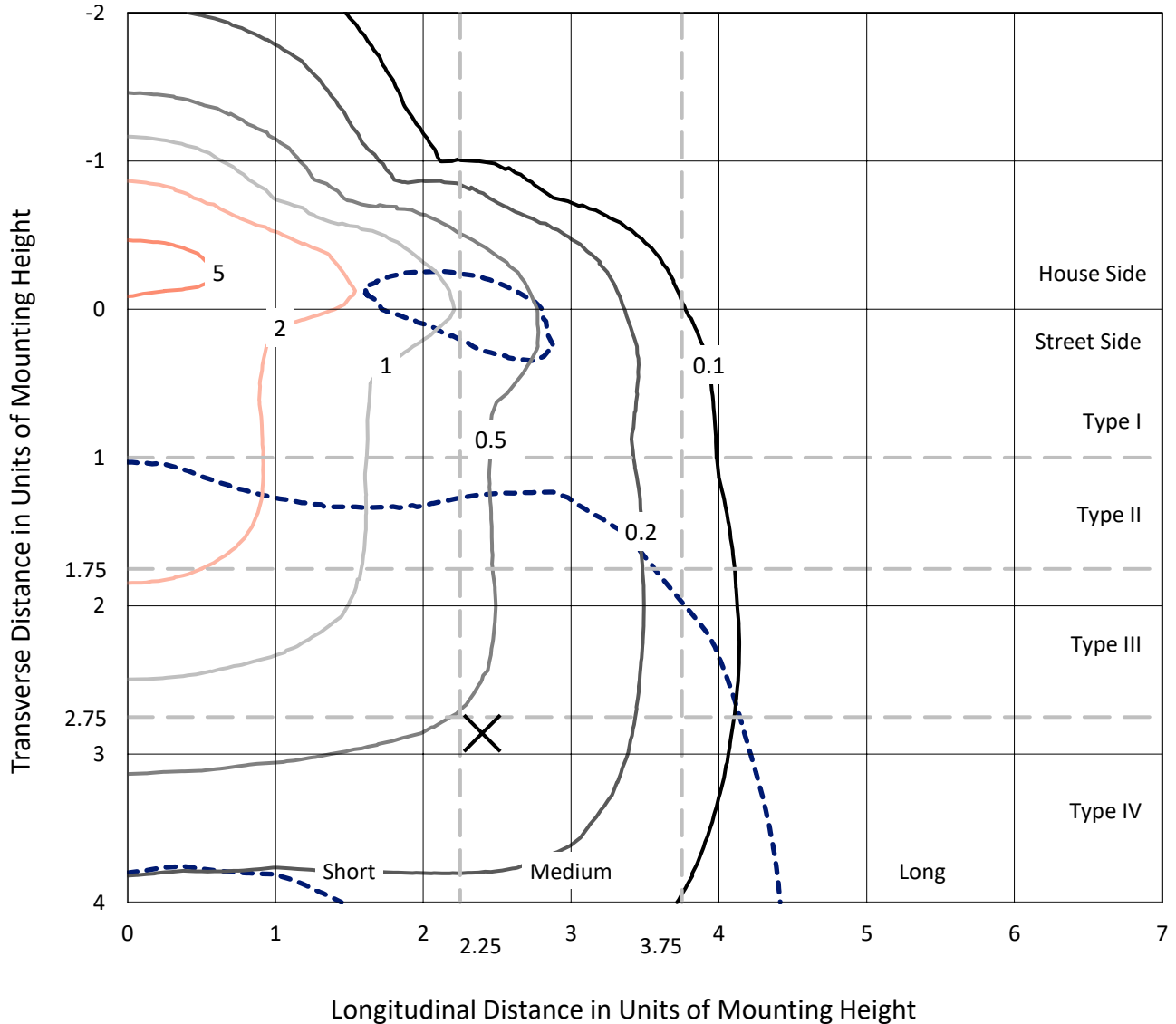
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849843
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Iso-Footcandle Lines of Horizontal Illumination

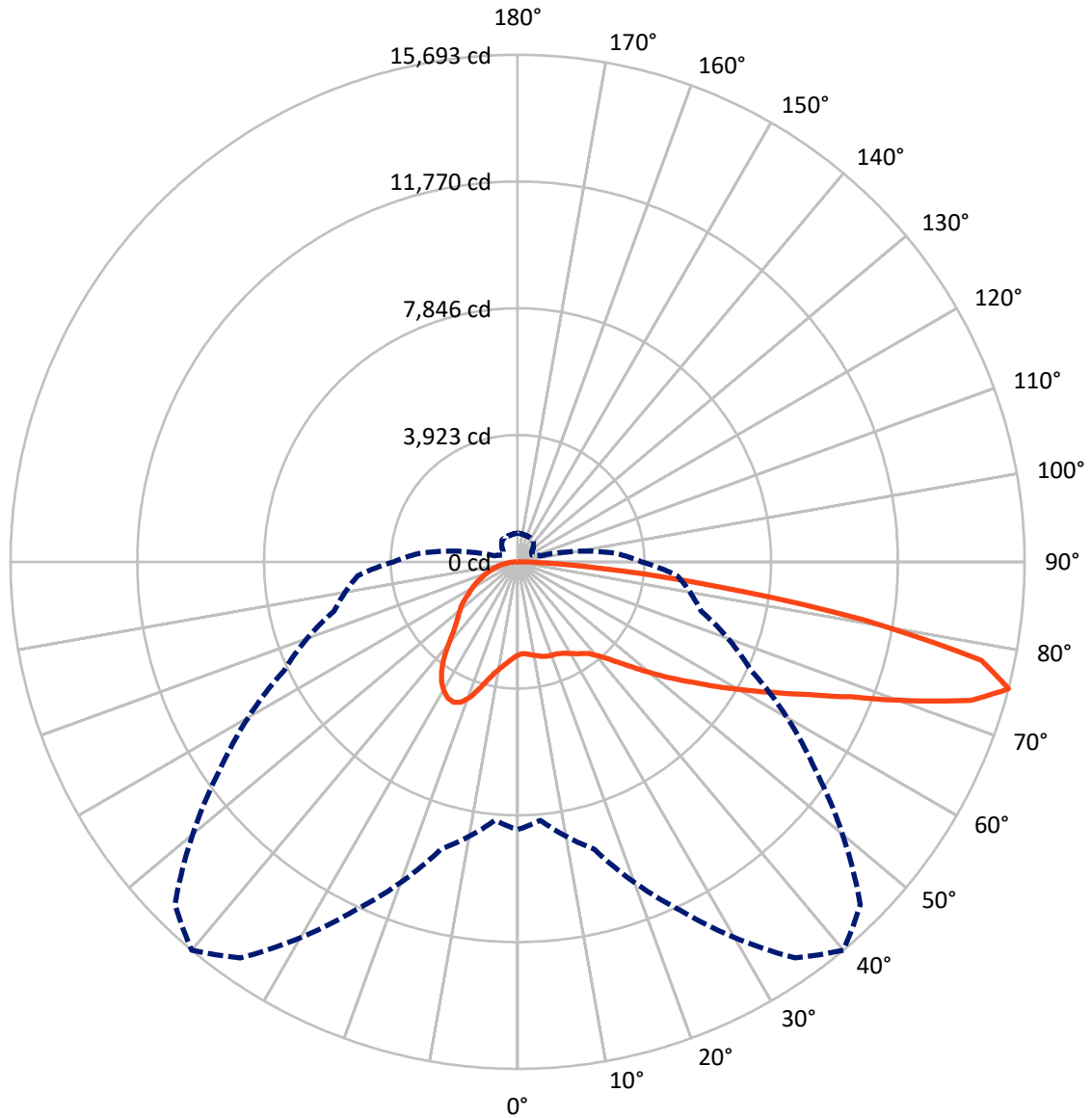
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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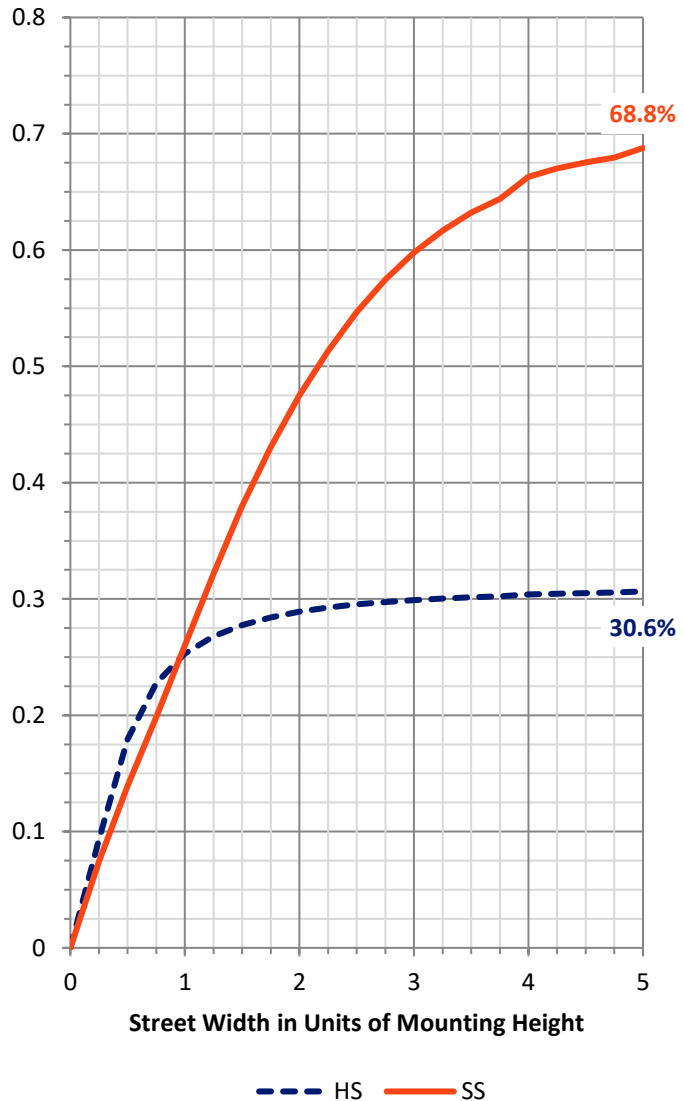
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7811.8	0.0	7811.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17401.2	0.0	17401.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	25213.0	0.0	25213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	1.1
10°-20°	966.3	3.8
20°-30°	1764.3	7.0
30°-40°	2502.3	9.9
40°-50°	3378.8	13.4
50°-60°	4545.4	18.0
60°-70°	5769.1	22.9
70°-80°	5235.8	20.8
80°-90°	763.2	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°	25213.0	100.0
0°-180°	25213.0	100.0

Coefficient of Utilization

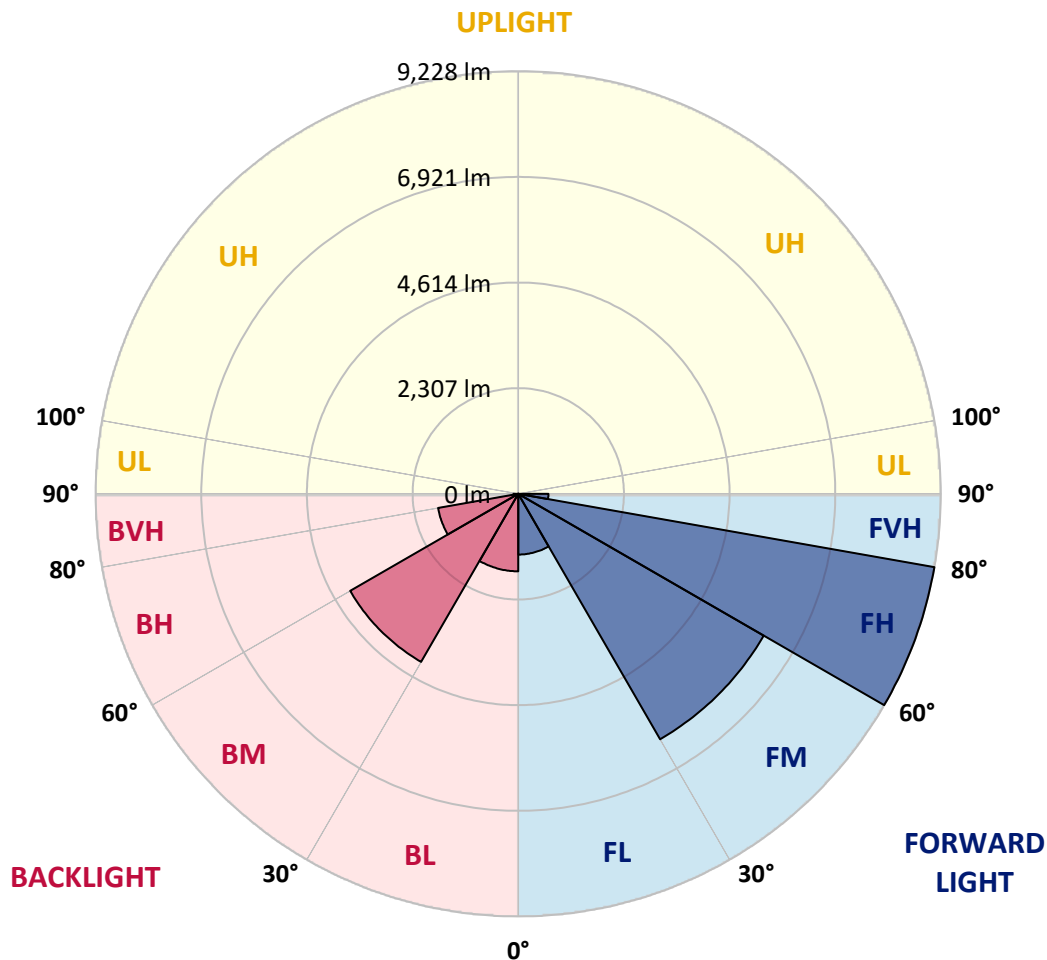


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.2	5.3			
FM (30°-60°)	6189.2	24.5			
FH (60°-80°)	9227.6	36.6			G4/12000
FVH (80°-90°)	658.1	2.6			G4/750
BL (0°-30°)	1692.1	6.7	B3/2500		
BM (30°-60°)	4237.2	16.8	B3/5000		
BH (60°-80°)	1777.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	105.1	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



REPORT NUMBER: P849843
 CATALOG NUMBER: GLAN-SB7A-827-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1
2.5°	2839.0	2855.1	2851.0	2845.7	2845.7	2847.0	2845.7	2855.1	2864.4	2873.8
5°	2868.4	2884.5	2876.5	2869.8	2864.4	2863.1	2859.1	2857.7	2863.1	2875.1
7.5°	2925.9	2942.0	2929.9	2917.9	2907.2	2901.9	2896.5	2888.5	2884.5	2891.2
10°	2990.1	3006.2	2991.5	2970.1	2952.7	2946.0	2940.6	2932.6	2927.3	2931.3
12.5°	3054.3	3070.4	3050.3	3020.9	2998.1	2994.1	2987.4	2984.8	2983.4	2982.1
15°	3114.5	3127.9	3102.5	3067.7	3043.6	3036.9	3030.2	3034.3	3040.9	3049.0
17.5°	3161.3	3174.7	3137.2	3091.8	3069.0	3066.3	3062.3	3075.7	3094.4	3114.5
20°	3204.1	3217.5	3169.3	3107.8	3081.1	3081.1	3082.4	3110.5	3137.2	3166.6
22.5°	3264.3	3275.0	3216.1	3131.9	3093.1	3095.8	3106.5	3134.5	3168.0	3208.1
25°	3353.9	3361.9	3289.7	3177.3	3133.2	3141.2	3150.6	3164.0	3196.1	3242.9
27.5°	3498.3	3505.0	3410.0	3257.6	3190.7	3204.1	3217.5	3208.1	3222.8	3262.9
30°	3701.5	3705.6	3585.2	3383.3	3288.3	3295.0	3297.7	3258.9	3230.8	3262.9
32.5°	3942.3	3940.9	3797.8	3535.7	3399.3	3392.6	3369.9	3293.7	3228.2	3256.2
35°	4315.3	4300.6	4116.1	3749.7	3525.0	3483.6	3430.1	3332.5	3241.5	3249.6
37.5°	4933.2	4887.7	4632.3	4100.0	3712.2	3606.6	3527.7	3395.3	3270.9	3246.9
40°	5629.9	5572.4	5291.6	4580.1	3993.1	3823.2	3696.2	3484.9	3319.1	3258.9
42.5°	6456.3	6374.7	6072.5	5145.8	4348.8	4102.7	3911.5	3598.6	3390.0	3297.7
45°	7471.3	7363.0	6935.0	5783.7	4796.8	4469.1	4213.7	3771.1	3498.3	3372.6
47.5°	8497.0	8523.7	7915.3	6513.8	5334.3	4921.1	4592.2	4030.5	3656.1	3492.9
50°	9586.8	9605.6	8890.1	7322.9	5944.1	5432.0	5017.4	4320.7	3875.4	3664.1
52.5°	10437.3	10440.0	9775.4	8169.3	6579.3	5993.6	5476.1	4652.3	4129.5	3891.4
55°	10969.6	10962.9	10395.9	8970.4	7309.5	6583.3	5984.3	5029.4	4439.7	4158.9
57.5°	11356.0	11336.0	10823.8	9659.1	8087.8	7280.1	6559.3	5457.4	4806.1	4477.2
60°	11503.1	11491.1	11114.0	10254.1	8906.2	8050.3	7222.6	5936.1	5222.0	4852.9
62.5°	11559.3	11582.0	11398.8	10830.5	9782.1	8903.5	7951.4	6508.5	5690.1	5278.2
65°	11757.2	11798.7	11761.2	11584.7	10771.7	9902.4	8918.2	7189.1	6200.9	5734.2
67.5°	12149.0	12190.5	12206.5	12487.4	11980.5	11147.4	10124.4	8037.0	6798.6	6207.6
70°	12139.7	12127.6	12411.1	13205.5	13494.3	12871.2	11750.5	9080.0	7511.4	6600.7
72.5°	11049.8	10953.5	11623.5	13197.5	14754.0	14671.1	13736.4	10425.3	8126.6	6648.9
75°	8289.7	8032.9	9216.4	11893.6	14964.0	15692.8	14998.7	11259.8	7980.8	5874.6
77.5°	3545.1	3287.0	4681.8	8804.5	13392.7	14669.8	13840.7	9823.5	6370.7	3884.8
80°	928.1	926.7	1414.8	3991.7	9108.1	10833.2	9503.9	6344.0	3640.0	1388.1
82.5°	383.8	374.4	520.2	1552.6	4450.4	6079.2	4961.2	2829.6	1314.5	375.8
85°	143.1	141.7	252.7	536.2	1569.9	2507.4	1814.7	723.5	327.6	183.2
87.5°	40.1	38.8	54.8	185.9	382.5	580.4	310.2	119.0	92.3	72.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849843
 CATALOG NUMBER: GLAN-SB7A-827-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2883.1	0°	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1
2888.5	2.5°	2892.5	2899.2	2911.2	2920.6	2932.6	2946.0	2964.7	2976.7	2988.8	2996.8
2895.2	5°	2904.5	2919.2	2950.0	2980.8	3016.9	3050.3	3089.1	3117.2	3139.9	3146.6
2919.2	7.5°	2931.3	2955.4	3007.5	3059.7	3117.2	3172.0	3228.2	3276.3	3315.1	3329.8
2962.0	10°	2978.1	3010.2	3083.7	3157.3	3233.5	3317.8	3390.0	3459.5	3514.3	3537.1
3012.9	12.5°	3036.9	3077.0	3173.3	3275.0	3380.6	3496.9	3590.6	3676.1	3744.3	3775.1
3083.7	15°	3113.1	3165.3	3288.3	3424.7	3579.9	3741.7	3860.7	3955.6	4031.8	4069.3
3157.3	17.5°	3196.1	3265.6	3420.7	3626.7	3848.6	4061.3	4200.3	4269.9	4348.8	4384.9
3225.5	20°	3276.3	3361.9	3583.9	3883.4	4178.9	4404.9	4517.3	4536.0	4541.3	4545.4
3289.7	22.5°	3359.2	3474.2	3788.5	4207.0	4524.0	4680.4	4696.5	4616.2	4503.9	4451.8
3352.5	25°	3450.1	3602.6	4055.9	4564.1	4820.8	4839.6	4716.5	4521.3	4308.7	4211.0
3403.3	27.5°	3538.4	3751.0	4376.9	4905.1	5034.8	4870.3	4605.5	4328.7	4072.0	3969.0
3439.4	30°	3626.7	3920.9	4731.2	5203.3	5132.4	4794.1	4430.4	4121.4	3863.4	3755.0
3471.5	32.5°	3716.3	4118.8	5139.1	5418.6	5115.0	4632.3	4212.4	3888.8	3661.4	3547.8
3499.6	35°	3817.9	4362.2	5525.6	5536.3	4998.7	4394.2	3924.9	3610.6	3412.7	3321.8
3533.1	37.5°	3950.3	4671.1	5866.6	5565.7	4795.4	4045.2	3567.8	3281.6	3118.5	3077.0
3582.5	40°	4114.8	5042.8	6127.3	5518.9	4494.5	3621.3	3177.3	2948.7	2856.4	2865.8
3649.4	42.5°	4328.7	5458.7	6310.5	5398.5	4076.0	3184.0	2835.0	2733.4	2777.5	2814.9
3749.7	45°	4606.9	5890.6	6424.2	5193.9	3602.6	2813.6	2633.1	2657.1	2690.6	2694.6
3911.5	47.5°	4962.6	6327.9	6499.1	4885.0	3119.8	2552.8	2504.7	2510.0	2503.4	2475.3
4153.5	50°	5406.6	6753.2	6566.0	4475.8	2709.3	2389.7	2325.5	2306.8	2214.5	2123.6
4475.8	52.5°	5912.0	7143.7	6594.0	3967.7	2389.7	2253.3	2149.0	2031.3	1858.8	1830.7
4881.0	55°	6473.7	7504.7	6521.8	3343.2	2120.9	2078.1	1920.3	1778.6	1759.8	1735.8
5414.6	57.5°	7145.0	7893.9	6374.7	2646.4	1845.4	1873.5	1719.7	1735.8	1702.3	1664.9
6100.6	60°	7879.2	8296.4	6116.6	2011.2	1560.6	1618.1	1667.6	1666.2	1656.9	1626.1
6824.1	62.5°	8539.8	8561.2	5608.5	1540.5	1310.5	1420.2	1555.2	1553.9	1545.9	1528.5
7579.6	65°	8932.9	8521.0	4760.7	1212.9	1104.6	1257.0	1402.8	1413.5	1414.8	1413.5
8147.9	67.5°	8863.4	8051.7	3597.2	965.5	934.7	1091.2	1251.7	1266.4	1277.1	1279.8
8220.2	70°	8077.1	7020.6	2345.6	770.3	783.6	945.4	1108.6	1123.3	1132.7	1143.4
7133.0	72.5°	6295.8	5161.8	1342.6	623.2	651.2	819.7	966.8	984.2	989.6	1009.6
4963.9	75°	3836.6	3035.6	724.8	490.8	534.9	700.7	826.4	846.5	855.8	879.9
2437.8	77.5°	1824.0	1314.5	413.2	382.5	430.6	572.3	698.1	720.8	695.4	708.7
672.6	80°	616.5	488.1	260.8	291.5	329.0	446.6	559.0	581.7	528.2	525.5
223.3	82.5°	215.3	197.9	165.8	193.9	212.6	319.6	422.6	452.0	393.2	391.8
100.3	85°	84.2	80.2	92.3	105.6	127.0	196.6	278.2	292.9	242.0	195.2
29.4	87.5°	17.4	18.7	22.7	24.1	38.8	68.2	100.3	123.0	97.6	82.9
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>
2883.1
2991.5
3149.3
3331.1
3538.4
3775.1
4066.6
4383.5
4556.1
4466.5
4225.8
3981.0
3767.1
3562.5
3341.8
3106.5
2897.9
2849.7
2721.3
2496.7
2135.6
1840.1
1739.8
1658.2
1615.4
1521.8
1413.5
1282.4
1148.7
1017.7
882.6
698.1
520.2
373.1
192.6
76.2
0.0

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