

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: P852525

Luminaire Tested: **GLAN-SB4C-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852525
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-SB4C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23198 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

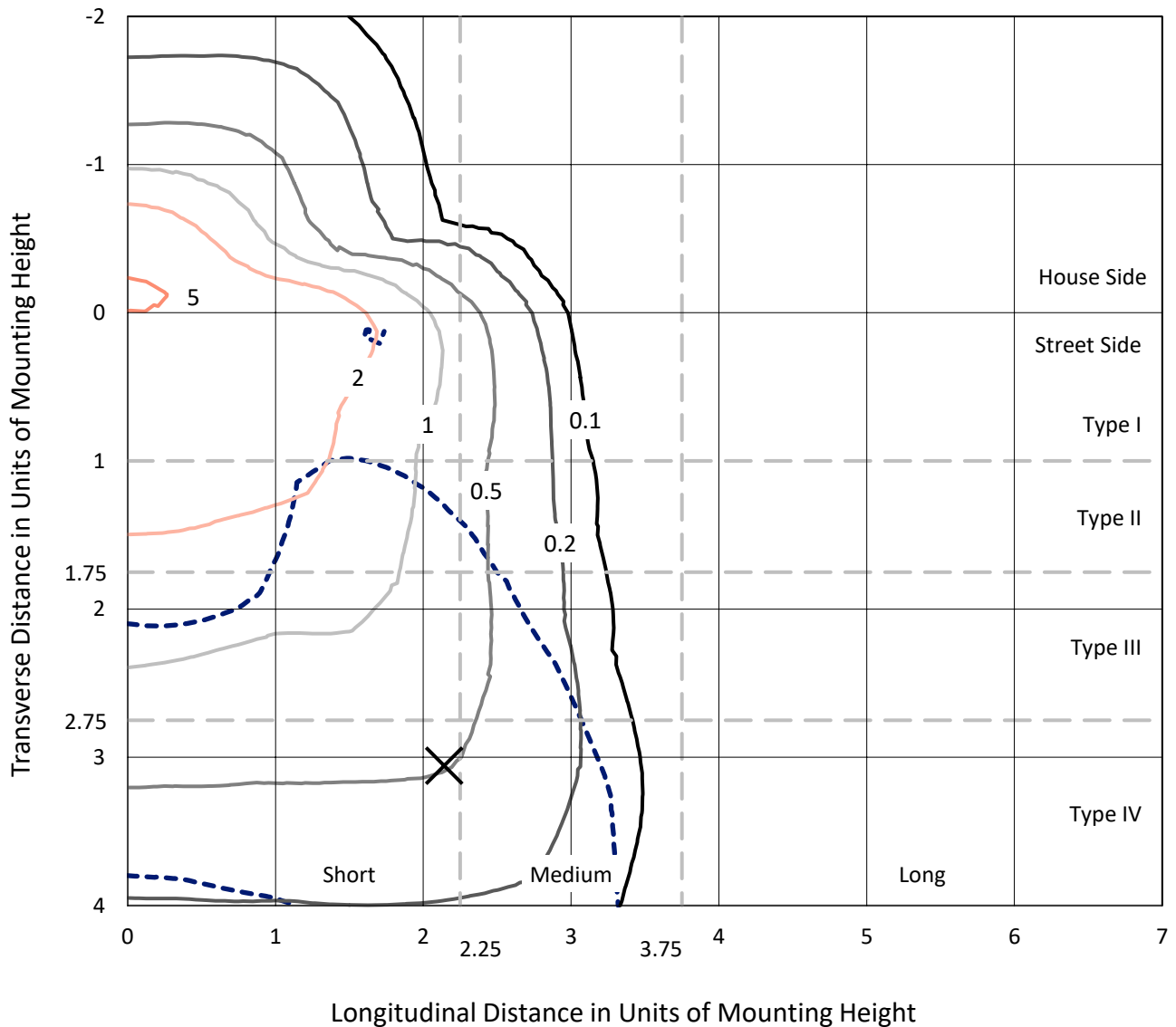
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

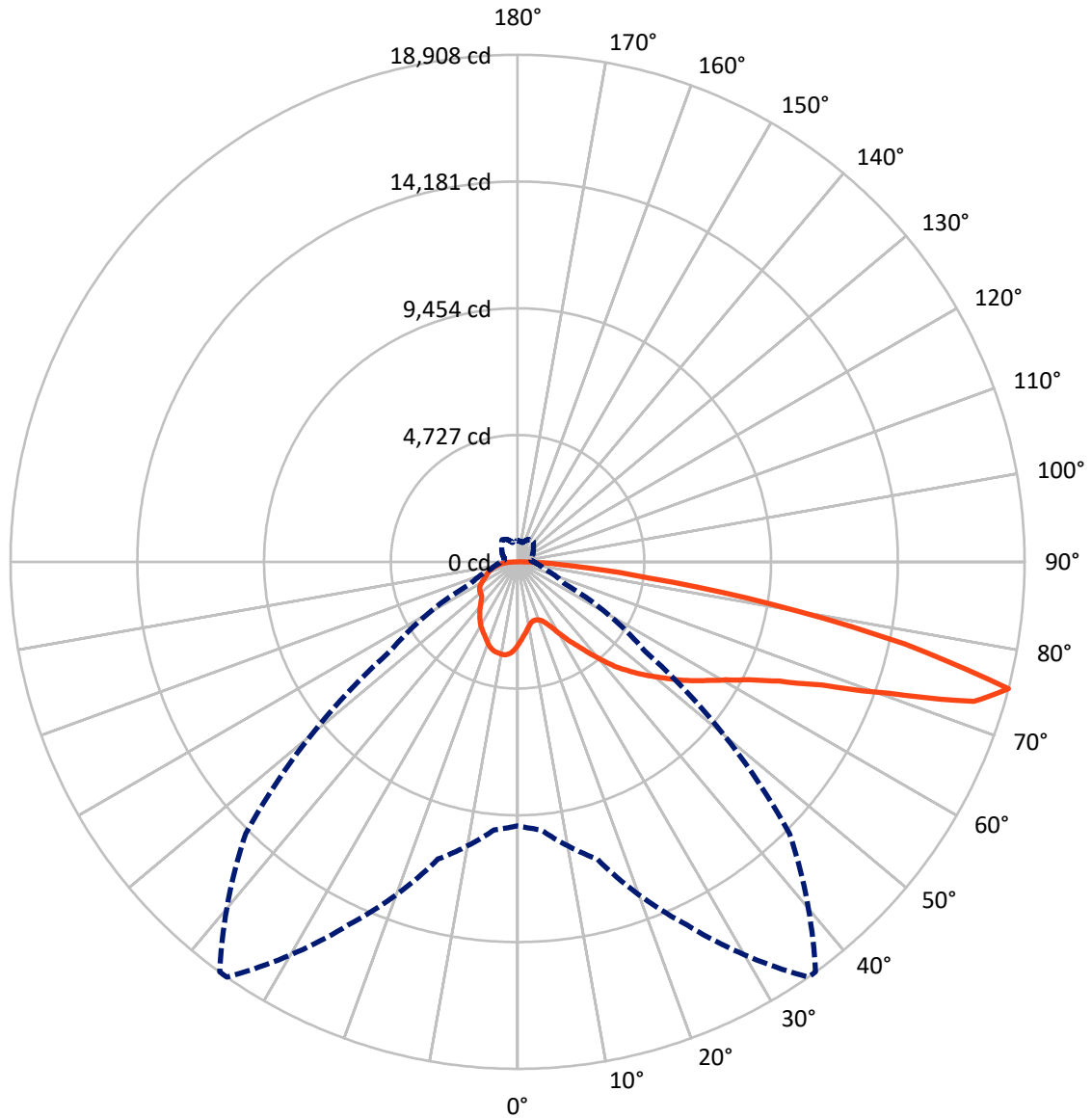
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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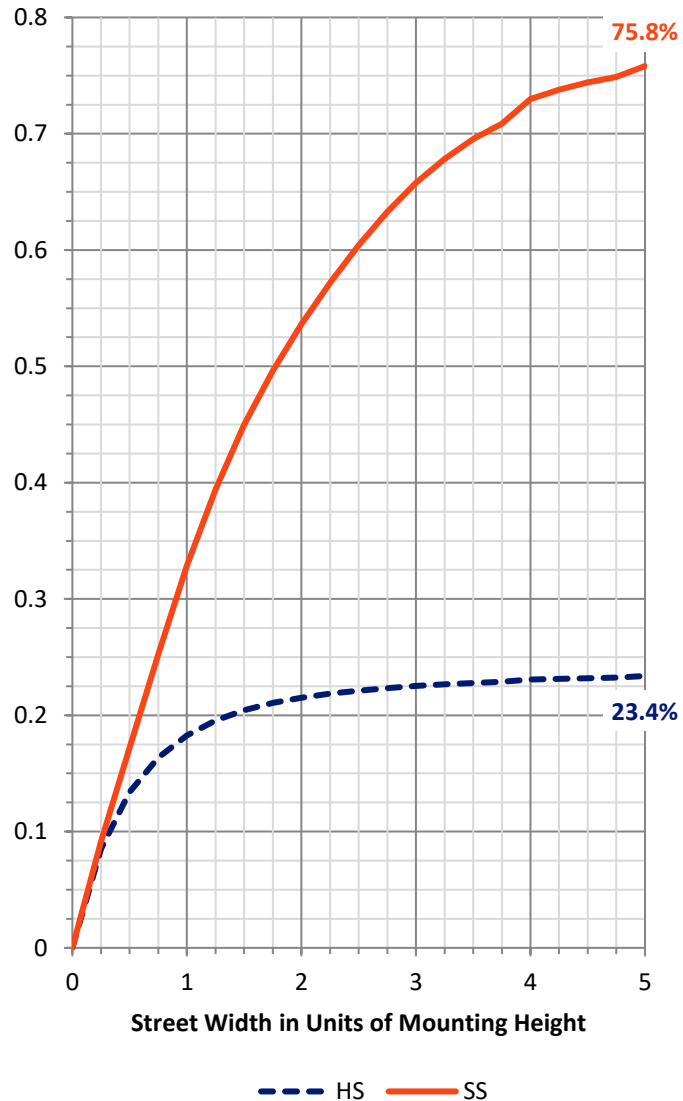
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5520.5	0.0	5520.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17677.5	0.0	17677.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	23198.0	0.0	23198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	1.3
10°-20°	844.2	3.6
20°-30°	1417.7	6.1
30°-40°	2203.3	9.5
40°-50°	3270.2	14.1
50°-60°	4514.7	19.5
60°-70°	5477.4	23.6
70°-80°	4526.7	19.5
80°-90°	651.1	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°	23198.0	100.0
0°-180°	23198.0	100.0

Coefficient of Utilization

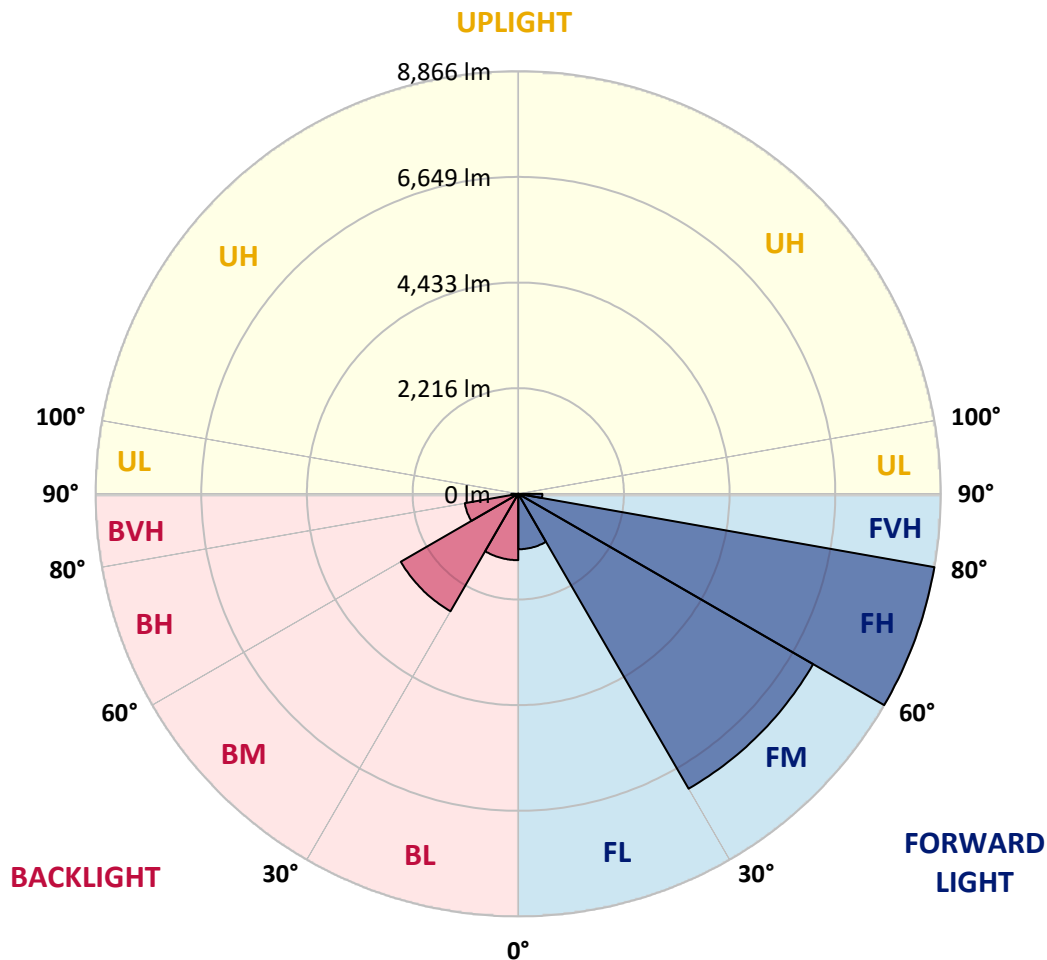


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1163.3	5.0			
FM (30°-60°)	7143.7	30.8			
FH (60°-80°)	8865.9	38.2			G4/12000
FVH (80°-90°)	504.5	2.2			G4/750
BL (0°-30°)	1391.3	6.0	B3/2500		
BM (30°-60°)	2844.5	12.3	B3/5000		
BH (60°-80°)	1138.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	146.6	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°	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3
2.5°	2850.5	2868.1	2875.6	2871.8	2890.6	2888.1	2914.5	2947.1	2992.2	3036.1
5°	2631.0	2649.9	2666.2	2681.2	2717.6	2728.9	2770.2	2833.0	2915.7	2999.7
7.5°	2426.6	2442.9	2468.0	2495.6	2557.1	2568.3	2637.3	2735.1	2850.5	2973.4
10°	2259.8	2276.1	2302.5	2333.8	2410.3	2424.1	2511.9	2642.3	2792.8	2948.3
12.5°	2188.4	2193.4	2208.4	2239.8	2306.2	2315.0	2411.6	2560.8	2736.4	2929.5
15°	2184.6	2194.6	2195.9	2212.2	2267.4	2271.1	2360.2	2508.1	2701.3	2925.8
17.5°	2222.2	2229.7	2218.5	2228.5	2274.9	2281.2	2351.4	2483.1	2690.0	2942.1
20°	2322.5	2328.8	2295.0	2281.2	2315.0	2320.0	2389.0	2499.4	2701.3	2975.9
22.5°	2535.7	2539.5	2456.7	2400.3	2402.8	2405.3	2465.5	2565.8	2745.2	3037.4
25°	2868.1	2865.6	2733.9	2624.8	2562.1	2548.3	2588.4	2673.7	2819.2	3118.9
27.5°	3256.8	3238.0	3106.3	2943.3	2806.6	2786.6	2777.8	2814.1	2924.5	3226.7
30°	3695.8	3678.2	3536.5	3323.3	3133.9	3101.3	3018.6	2999.7	3081.3	3373.5
32.5°	4177.3	4166.0	3996.7	3738.4	3485.1	3447.4	3308.2	3258.1	3322.0	3595.4
35°	4581.1	4571.1	4430.6	4164.8	3855.0	3808.6	3666.9	3610.5	3643.1	3880.1
37.5°	4946.1	4941.0	4820.7	4611.2	4291.4	4235.0	4075.7	4056.9	4050.7	4255.1
40°	5284.7	5272.1	5146.7	5036.4	4799.3	4747.9	4607.5	4591.2	4543.5	4716.6
42.5°	5659.6	5627.0	5445.2	5393.8	5329.8	5287.2	5203.1	5205.7	5100.3	5237.0
45°	5965.6	5946.8	5760.0	5729.9	5798.8	5781.3	5854.0	5872.8	5668.4	5782.5
47.5°	6294.2	6276.6	6118.6	6097.3	6284.2	6289.2	6546.3	6552.5	6222.7	6349.4
50°	6699.3	6674.2	6517.4	6543.8	6753.2	6772.0	7242.3	7199.6	6733.1	6925.0
52.5°	6966.4	6981.4	6947.6	6990.2	7276.1	7293.7	7927.0	7817.9	7238.5	7493.1
55°	7163.3	7193.4	7298.7	7396.5	7827.9	7845.5	8572.8	8406.1	7657.4	8019.8
57.5°	7416.6	7374.0	7570.8	7761.5	8352.1	8398.5	9201.1	8972.9	8028.6	8473.8
60°	7780.3	7750.2	7903.2	8185.3	8939.0	9013.0	9865.8	9483.3	8300.7	8833.7
62.5°	8517.7	8442.4	8466.2	8715.8	9678.9	9776.8	10615.7	9928.5	8436.2	8974.1
65°	9620.0	9490.8	9370.4	9543.5	10721.1	10817.6	11462.2	10278.4	8386.0	8702.0
67.5°	11008.3	10880.3	10732.4	10895.4	12256.1	12332.6	12506.9	10475.3	7991.0	7653.6
70°	12153.2	12105.6	12282.4	12953.3	14707.8	14710.3	13846.2	10312.2	6908.7	5426.4
72.5°	12001.5	11972.6	12904.4	14978.7	17797.8	17731.3	15114.1	9078.2	4653.9	2448.0
75°	9845.7	10032.6	11476.0	14942.3	18907.7	18898.9	14337.8	5771.2	1925.0	1014.5
77.5°	5279.6	5575.6	7450.4	11032.1	14760.4	14982.4	10080.2	2019.1	826.4	649.6
80°	1721.8	1980.2	2969.6	5617.0	9591.2	9549.8	4320.3	792.6	565.6	460.2
82.5°	731.1	761.2	1326.8	2652.4	4922.2	4845.7	1375.7	455.2	397.5	314.8
85°	285.9	319.8	585.7	1226.5	2131.9	2085.5	496.6	225.7	254.6	205.7
87.5°	94.1	114.1	209.4	420.1	663.4	639.6	121.6	77.8	110.4	94.1
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°
3091.3	0°	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3	3091.3
3100.1	2.5°	3117.6	3137.7	3161.5	3196.6	3226.7	3251.8	3278.1	3294.5	3300.7	3319.5
3105.1	5°	3140.2	3184.1	3243.0	3300.7	3357.2	3391.0	3421.1	3436.2	3450.0	3460.0
3118.9	7.5°	3177.8	3234.3	3327.1	3402.3	3450.0	3477.5	3497.6	3492.6	3497.6	3500.1
3133.9	10°	3210.4	3289.4	3399.8	3471.3	3507.6	3508.9	3503.9	3486.3	3477.5	3478.8
3156.5	12.5°	3249.3	3337.1	3456.2	3516.4	3526.5	3498.9	3477.5	3447.4	3436.2	3431.1
3190.4	15°	3302.0	3402.3	3517.7	3540.2	3515.2	3480.1	3443.7	3394.8	3369.7	3349.6
3248.0	17.5°	3365.9	3476.3	3565.3	3549.0	3495.1	3437.4	3378.5	3304.5	3253.1	3231.7
3327.1	20°	3455.0	3554.0	3601.7	3530.2	3448.7	3360.9	3260.6	3170.3	3122.6	3101.3
3427.4	22.5°	3562.8	3658.1	3636.8	3497.6	3382.2	3241.8	3116.4	3049.9	3026.1	3011.0
3556.6	25°	3692.0	3773.5	3661.9	3450.0	3273.1	3083.8	2987.2	2965.9	2954.6	2943.3
3714.6	27.5°	3860.0	3903.9	3680.7	3379.7	3102.6	2915.7	2880.6	2884.4	2880.6	2861.8
3934.0	30°	4082.0	4073.2	3698.3	3265.6	2906.9	2764.0	2766.5	2782.8	2785.3	2772.8
4240.0	32.5°	4374.2	4285.2	3707.0	3117.6	2720.1	2631.0	2633.6	2651.1	2663.7	2642.3
4640.1	35°	4727.9	4532.2	3693.2	2932.0	2575.9	2504.4	2485.6	2490.6	2494.4	2474.3
5125.4	37.5°	5140.4	4809.4	3631.8	2726.4	2456.7	2380.2	2340.1	2306.2	2286.2	2267.4
5674.7	40°	5593.2	5111.6	3518.9	2525.7	2323.8	2248.6	2188.4	2124.4	2056.7	2031.6
6256.6	42.5°	6067.2	5422.6	3382.2	2333.8	2170.8	2109.4	2045.4	1952.6	1851.0	1799.6
6861.0	45°	6558.8	5741.1	3248.0	2144.5	2014.0	1987.7	1913.7	1802.1	1691.7	1626.5
7466.8	47.5°	7040.4	6042.1	3051.2	1953.8	1867.3	1896.2	1838.5	1735.6	1612.7	1509.9
8067.5	50°	7500.6	6324.3	2728.9	1760.7	1748.2	1868.6	1813.4	1665.4	1525.0	1393.3
8656.9	52.5°	7957.1	6552.5	2316.3	1585.1	1684.2	1861.0	1780.8	1617.8	1445.9	1308.0
9211.2	55°	8344.6	6670.4	1918.7	1434.7	1591.4	1797.1	1741.9	1561.3	1334.3	1187.6
9591.2	57.5°	8565.3	6575.1	1587.7	1286.7	1463.5	1691.7	1675.4	1440.9	1201.4	1088.5
9665.1	60°	8470.0	6188.9	1316.8	1157.5	1341.9	1577.6	1560.1	1321.8	1099.8	993.2
9268.9	62.5°	7944.6	5452.7	1102.3	1044.6	1231.5	1461.0	1444.7	1230.2	1022.1	919.2
8216.7	65°	6886.1	4435.7	935.5	950.6	1119.9	1320.5	1344.4	1153.7	960.6	860.3
6356.9	67.5°	5252.1	3212.9	805.1	869.1	1010.8	1182.6	1251.6	1098.6	909.2	813.9
3678.2	70°	2993.5	1824.7	694.8	790.1	914.2	1054.7	1180.1	1054.7	854.0	775.0
1378.2	72.5°	1134.9	837.7	600.7	711.1	821.4	946.8	1101.1	985.7	790.1	731.1
712.3	75°	605.7	510.4	505.4	618.3	714.8	841.5	1002.0	918.0	742.4	772.5
492.9	77.5°	412.6	361.2	422.6	529.2	598.2	724.9	896.7	815.1	643.3	640.8
341.1	80°	285.9	255.8	343.6	426.4	462.8	609.5	782.5	699.8	524.2	489.1
210.7	82.5°	171.8	166.8	257.1	318.5	327.3	470.3	648.4	586.9	428.9	373.7
125.4	85°	94.1	99.1	164.3	186.9	190.6	328.6	507.9	454.0	329.8	277.2
45.1	87.5°	26.3	33.9	60.2	74.0	91.5	170.6	302.2	269.6	165.5	115.4
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°
3091.3
3318.3
3462.5
3503.9
3481.3
3428.6
3355.9
3233.0
3098.8
3013.5
2943.3
2865.6
2779.0
2652.4
2488.1
2279.9
2042.9
1805.9
1621.5
1498.6
1382.0
1292.9
1175.1
1073.5
978.2
902.9
844.0
798.8
765.0
721.1
797.6
590.7
467.8
376.2
279.7
115.4
0.0

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