

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: P849268

Luminaire Tested: **GLAN-SB6B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849268
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-SB6B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26720 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

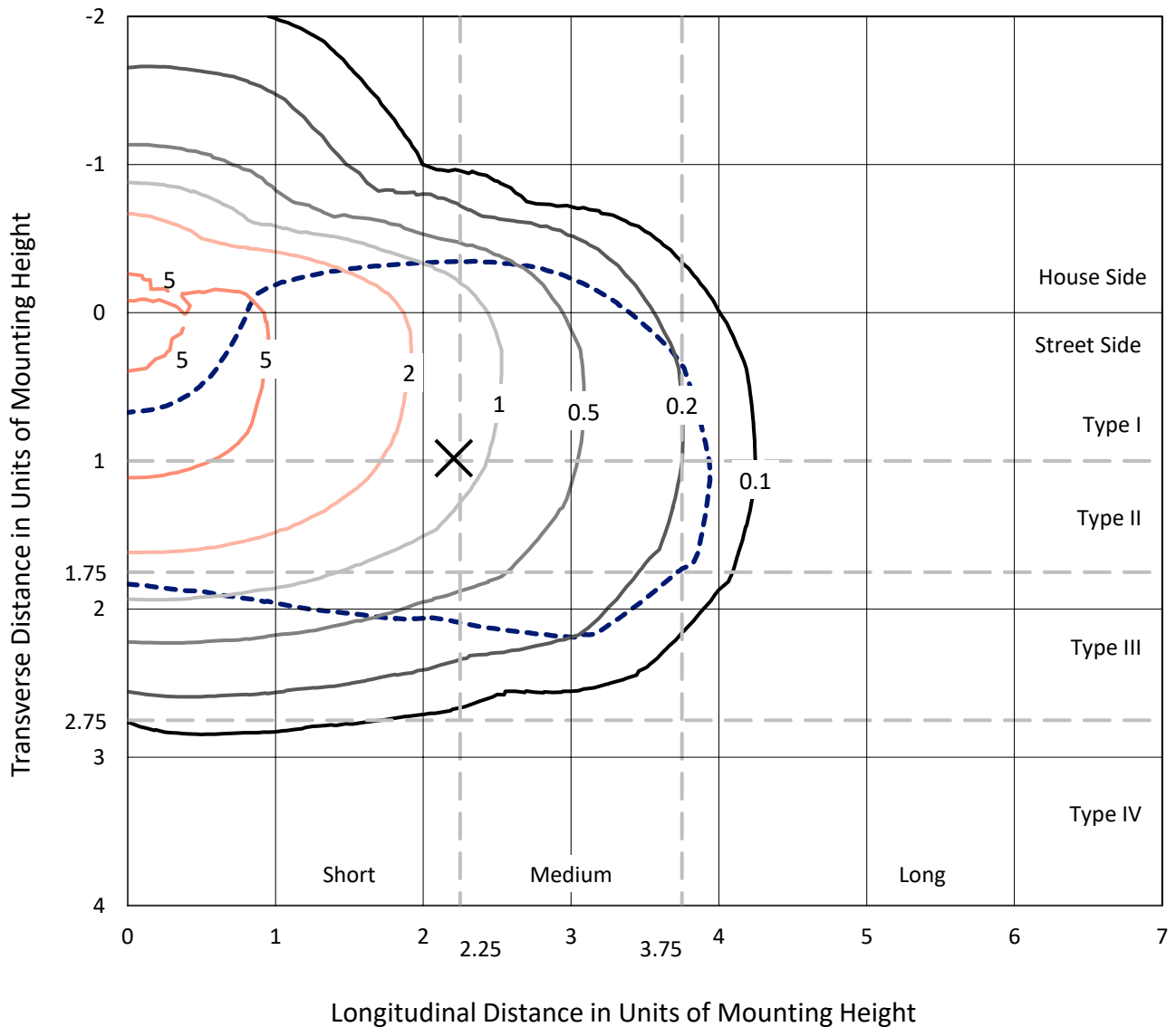
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

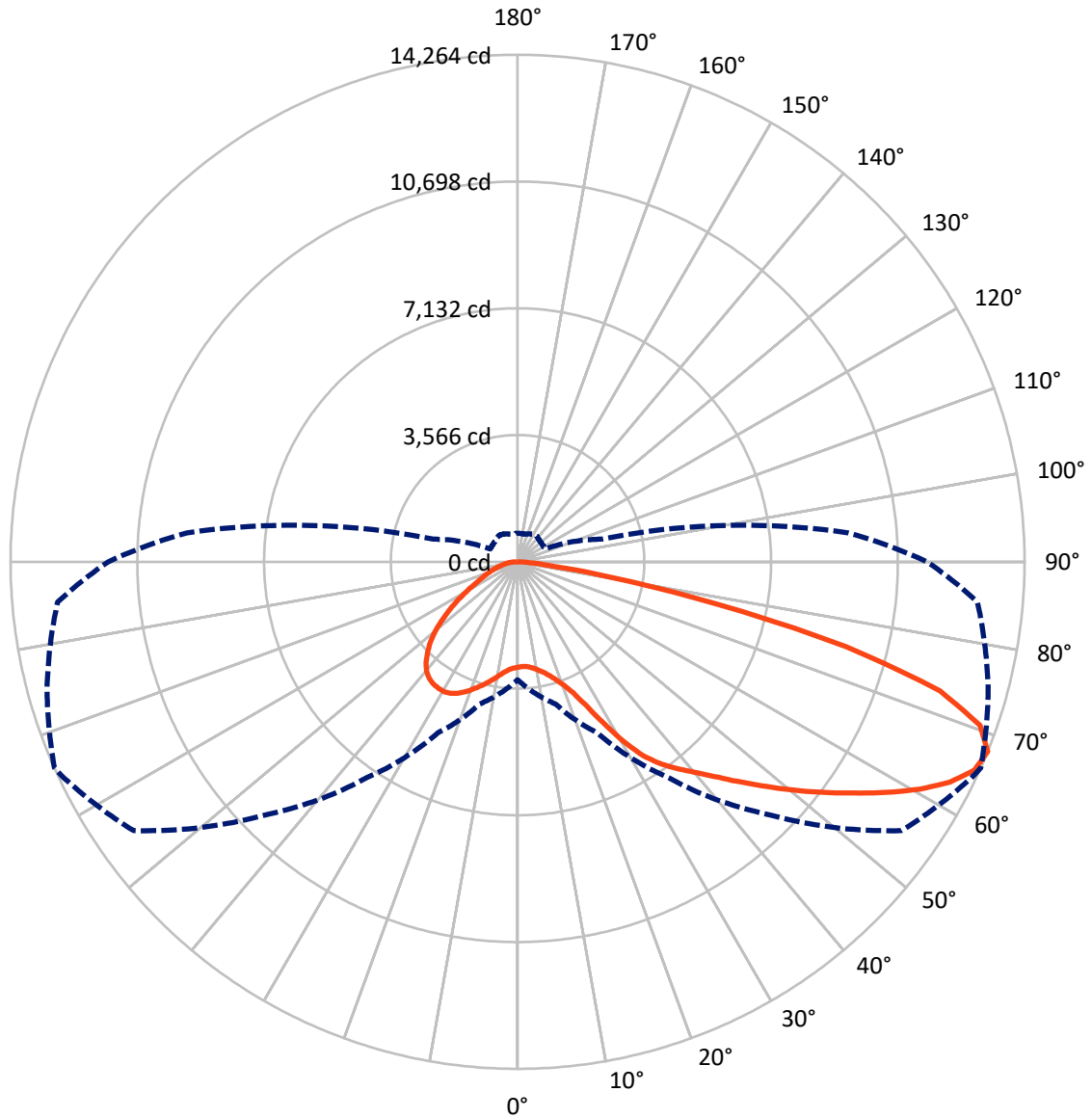
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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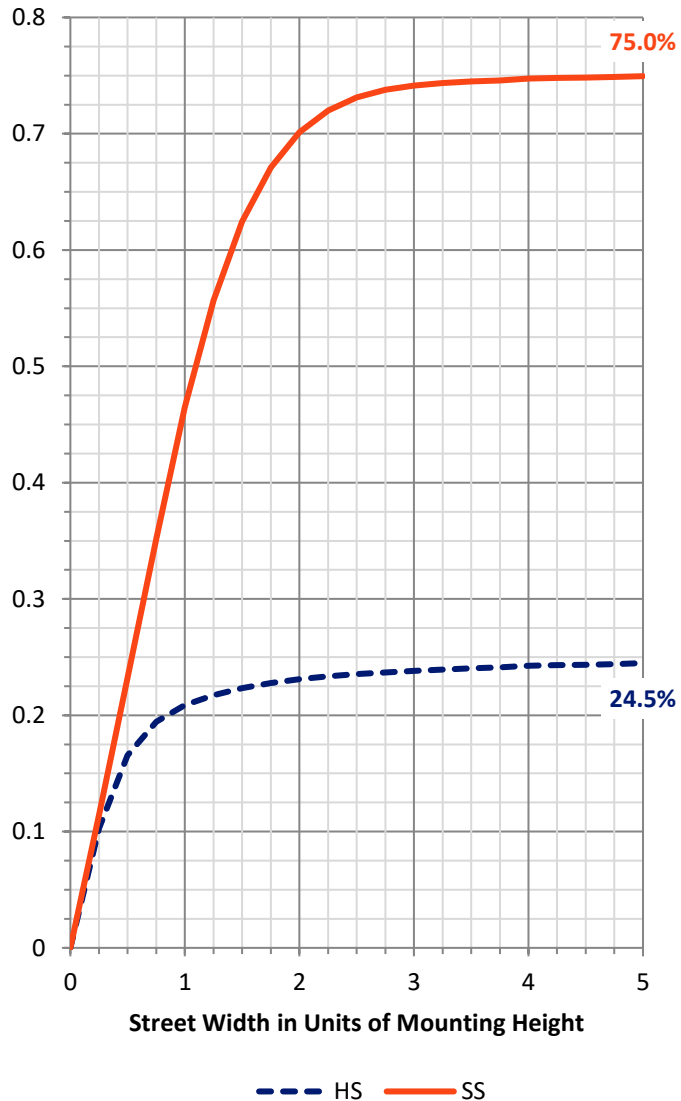
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6643.9	0.0	6643.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20076.2	0.0	20076.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	26720.0	0.0	26720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	1.1
10°-20°	970.8	3.6
20°-30°	1871.1	7.0
30°-40°	3280.8	12.3
40°-50°	4877.4	18.3
50°-60°	6182.6	23.1
60°-70°	6049.5	22.6
70°-80°	2885.7	10.8
80°-90°	308.4	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°	26720.0	100.0
0°-180°	26720.0	100.0

Coefficient of Utilization



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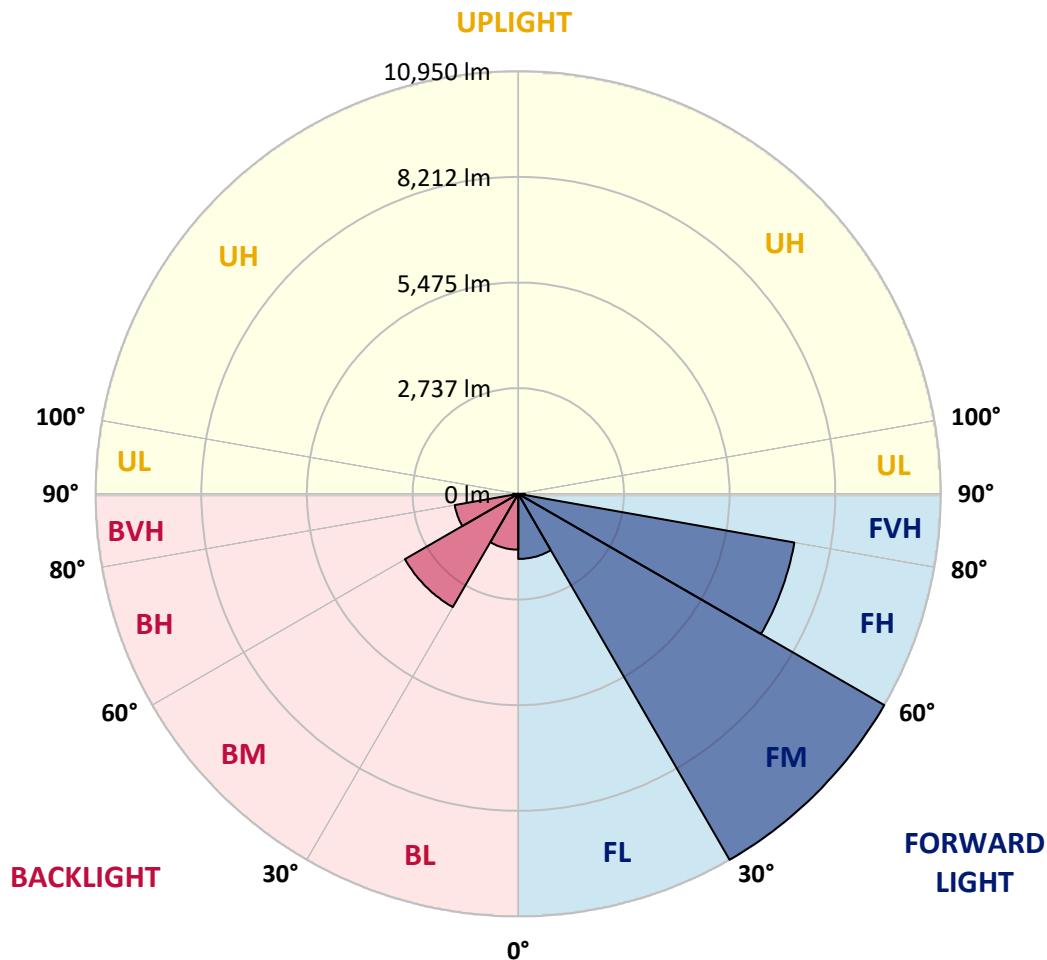
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1688.4	6.3			
FM (30°-60°)	10949.6	41.0			
FH (60°-80°)	7263.2	27.2			G3/7500
FVH (80°-90°)	174.9	0.7			G2/225
BL (0°-30°)	1447.3	5.4	B3/2500		
BM (30°-60°)	3391.1	12.7	B3/5000		
BH (60°-80°)	1671.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	133.6	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6
2.5°	2932.7	2949.6	2945.4	2938.3	2936.9	2939.7	2943.9	2948.2	2946.8	2953.8
5°	2924.3	2941.1	2939.7	2939.7	2945.4	2956.6	2963.6	2970.6	2963.6	2972.0
7.5°	2929.9	2942.5	2948.2	2953.8	2967.8	2988.9	3005.7	3021.2	3012.7	3022.6
10°	3001.5	3011.3	3016.9	3016.9	3026.8	3050.6	3067.5	3095.6	3088.5	3104.0
12.5°	3132.1	3141.9	3141.9	3136.3	3143.3	3158.7	3164.4	3195.2	3182.6	3207.9
15°	3292.1	3311.8	3296.3	3286.5	3289.3	3304.7	3303.3	3327.2	3314.6	3335.6
17.5°	3469.0	3494.3	3469.0	3467.6	3462.0	3478.8	3480.2	3501.3	3478.8	3494.3
20°	3678.2	3713.3	3692.2	3699.2	3686.6	3693.6	3700.6	3731.5	3696.4	3707.7
22.5°	3973.0	4015.1	3992.6	4019.3	4010.9	4005.3	4003.9	4058.6	4003.9	4008.1
25°	4402.6	4453.1	4413.8	4450.3	4450.3	4468.6	4489.6	4559.8	4468.6	4441.9
27.5°	5037.1	5087.7	5010.5	5032.9	5025.9	5070.8	5048.4	5222.5	5124.2	5080.7
30°	5800.9	5890.7	5744.7	5739.1	5732.1	5803.7	5835.9	5951.1	5851.4	5807.9
32.5°	6626.3	6720.4	6546.3	6495.8	6469.1	6512.6	6485.9	6578.6	6509.8	6442.4
35°	7499.6	7592.2	7426.6	7328.3	7221.6	7130.3	7034.9	7058.7	6994.2	6891.7
37.5°	8325.0	8494.9	8319.4	8214.1	8017.6	7839.3	7572.6	7461.6	7401.3	7307.2
40°	9166.0	9262.8	9129.5	9039.6	8826.2	8546.9	8120.1	7885.6	7804.2	7712.9
42.5°	9785.1	9877.7	9806.1	9744.4	9577.3	9253.0	8701.3	8407.9	8289.9	8187.5
45°	10276.4	10345.2	10300.3	10322.8	10251.2	9936.7	9303.5	8968.0	8845.9	8720.9
47.5°	10474.4	10547.4	10619.0	10752.4	10874.5	10642.9	9950.7	9574.5	9445.3	9317.6
50°	10451.9	10526.3	10734.1	11017.7	11396.7	11319.5	10633.0	10220.3	10101.0	9954.9
52.5°	10272.2	10356.5	10623.2	11094.9	11698.6	11826.3	11327.9	10887.1	10774.8	10600.7
55°	9800.5	9851.1	10251.2	10919.4	11770.2	12180.1	12008.8	11597.5	11485.2	11242.3
57.5°	8925.9	8998.9	9581.5	10446.3	11590.5	12420.2	12606.9	12344.4	12236.3	11886.7
60°	7784.5	7901.1	8567.9	9651.7	11132.8	12418.8	13150.2	13078.6	12988.7	12521.2
62.5°	6493.0	6627.7	7269.3	8528.6	10332.6	12066.4	13489.9	13693.5	13647.2	13106.7
65°	4986.6	5079.3	5718.0	7075.6	9087.3	11309.7	13529.2	14113.3	14121.7	13551.7
67.5°	3320.2	3586.9	4141.5	5309.5	7419.5	10072.9	13183.9	14182.0	14263.5	13704.7
70°	1620.1	1971.1	2514.4	3450.7	5309.5	8176.2	12281.2	13617.7	13798.8	13258.3
72.5°	672.5	786.2	1082.4	1702.9	3047.8	5517.3	10467.4	12087.4	12423.0	11747.7
75°	453.5	491.4	619.1	873.2	1388.4	2720.7	7548.7	9012.9	9553.4	8872.6
77.5°	349.6	373.4	450.6	610.7	825.5	1029.0	4040.4	5431.6	5711.0	5287.0
80°	275.2	293.4	336.9	445.0	585.4	550.3	1377.2	2461.0	2622.5	2199.9
82.5°	238.7	245.7	241.5	301.8	388.9	321.5	452.1	908.3	1002.4	727.2
85°	172.7	192.3	200.8	186.7	206.4	162.9	185.3	321.5	353.8	315.9
87.5°	70.2	103.9	127.8	120.7	75.8	46.3	57.6	94.1	108.1	117.9
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°
2963.6	0°	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6	2963.6
2965.0	2.5°	2966.4	2976.2	2983.3	2991.7	2997.3	3005.7	3022.6	3032.4	3033.8	3040.8
2987.5	5°	2993.1	3007.1	3022.6	3045.0	3070.3	3091.4	3123.6	3146.1	3154.5	3161.5
3042.2	7.5°	3050.6	3070.3	3098.4	3137.7	3174.2	3202.3	3241.6	3268.2	3294.9	3304.7
3129.3	10°	3136.3	3164.4	3205.1	3258.4	3297.7	3334.2	3374.9	3397.4	3424.1	3435.3
3233.1	12.5°	3243.0	3272.5	3325.8	3400.2	3436.7	3462.0	3476.0	3470.4	3476.0	3485.8
3358.1	15°	3365.1	3397.4	3457.8	3537.8	3563.1	3540.6	3509.7	3481.6	3477.4	3480.2
3509.7	17.5°	3509.7	3533.6	3603.8	3671.2	3652.9	3560.3	3492.9	3447.9	3425.5	3418.5
3703.4	20°	3711.9	3711.9	3769.4	3811.5	3689.4	3532.2	3426.9	3353.9	3307.6	3287.9
3967.4	22.5°	3957.6	3935.1	3971.6	3942.1	3682.4	3453.6	3307.6	3181.2	3111.0	3082.9
4336.6	25°	4269.2	4242.5	4232.7	4050.2	3631.9	3328.6	3091.4	2938.3	2876.6	2861.1
4868.7	27.5°	4739.5	4672.1	4544.4	4109.2	3539.2	3132.1	2838.7	2696.9	2661.8	2663.2
5552.4	30°	5365.6	5230.9	4917.8	4119.0	3387.6	2854.1	2580.3	2479.3	2462.4	2469.4
6126.6	32.5°	5945.5	5817.7	5299.7	4074.1	3154.5	2581.7	2348.7	2281.3	2256.0	2264.5
6564.6	35°	6400.3	6365.2	5653.4	4010.9	2868.1	2326.2	2140.9	2083.4	2034.2	2023.0
6977.3	37.5°	6829.9	6815.9	5918.8	3922.5	2584.6	2145.1	1973.9	1898.1	1826.5	1787.1
7433.6	40°	7301.6	7287.6	6092.9	3786.3	2333.3	1987.9	1823.6	1724.0	1635.5	1563.9
7950.2	42.5°	7832.3	7749.4	6175.7	3591.1	2119.9	1854.5	1701.5	1566.7	1450.2	1384.2
8534.2	45°	8412.1	8225.4	6174.3	3342.7	1940.2	1732.4	1570.9	1380.0	1271.9	1210.1
9133.7	47.5°	9027.0	8680.2	6098.5	3067.5	1766.1	1597.6	1368.8	1222.8	1151.2	1113.3
9785.1	50°	9661.5	9105.6	5969.3	2751.6	1587.8	1444.6	1242.4	1142.8	1088.0	1052.9
10430.9	52.5°	10258.2	9491.7	5813.5	2393.6	1406.7	1295.8	1186.3	1109.1	1051.5	1012.2
11057.0	55°	10812.7	9824.4	5593.1	2027.2	1259.3	1196.1	1159.6	1095.0	1029.0	982.7
11693.0	57.5°	11305.5	10040.6	5212.6	1683.3	1154.0	1127.3	1131.5	1071.2	995.4	956.0
12319.1	60°	11715.4	10199.2	4649.7	1364.6	1068.4	1059.9	1088.0	1026.2	937.8	892.9
12848.4	62.5°	11961.1	10196.4	3959.0	1117.5	995.4	998.2	1030.5	970.1	880.2	838.1
13124.9	65°	11940.0	9946.5	3200.9	956.0	925.2	928.0	970.1	908.3	832.5	807.2
12985.9	67.5°	11517.5	9337.2	2455.4	850.8	847.9	860.6	909.7	866.2	803.0	800.2
12157.6	70°	10373.3	8072.3	1768.9	766.5	767.9	786.2	850.8	839.5	787.6	793.2
10221.7	72.5°	8318.0	6154.6	1187.7	678.1	679.5	709.0	794.6	818.5	772.1	846.5
7252.5	75°	5539.7	3838.2	763.7	584.0	585.4	623.3	745.5	777.8	730.0	843.7
3773.6	77.5°	2661.8	1725.4	553.1	491.4	491.4	526.5	644.4	696.3	621.9	655.6
1213.0	80°	919.5	648.6	435.2	395.9	387.5	411.3	543.3	603.7	536.3	494.2
395.9	82.5°	362.2	336.9	349.6	307.5	279.4	294.8	422.6	498.4	394.5	356.6
223.2	85°	207.8	219.0	247.1	203.6	161.4	181.1	310.3	358.0	297.6	262.5
73.0	87.5°	56.2	77.2	113.7	105.3	73.0	77.2	147.4	197.9	171.3	132.0
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°
2963.6
3039.4
3160.1
3306.1
3440.9
3488.7
3490.1
3428.3
3283.7
3078.7
2863.9
2667.4
2493.3
2275.7
2031.4
1788.5
1570.9
1388.4
1207.3
1104.9
1040.3
995.4
964.5
930.8
873.2
825.5
805.8
804.4
791.8
857.8
850.8
600.9
463.3
355.2
268.1
136.2
0.0

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