

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: P848173

Luminaire Tested: **GLAN-SB4C-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848173
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-SB4C-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26459 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

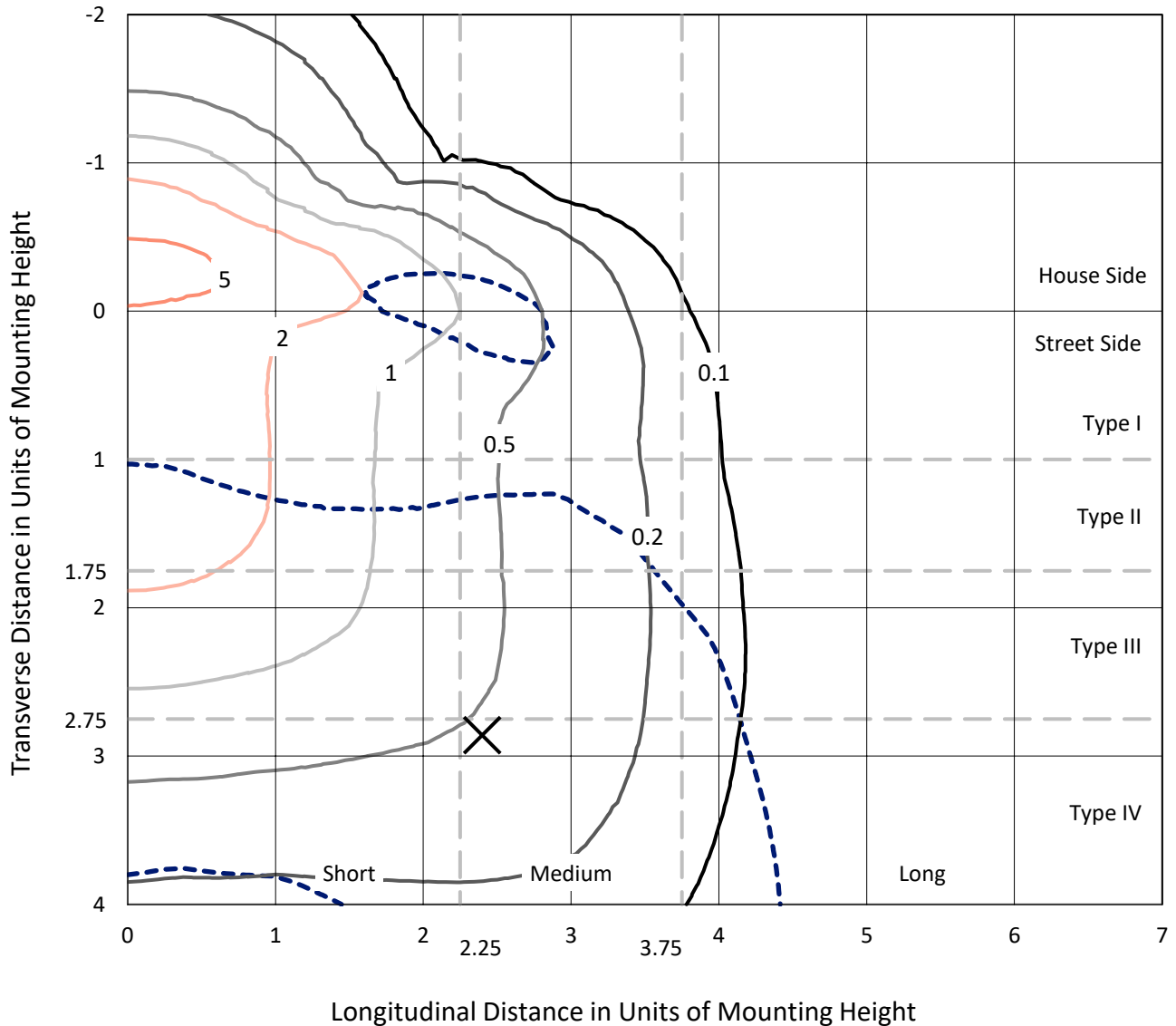
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

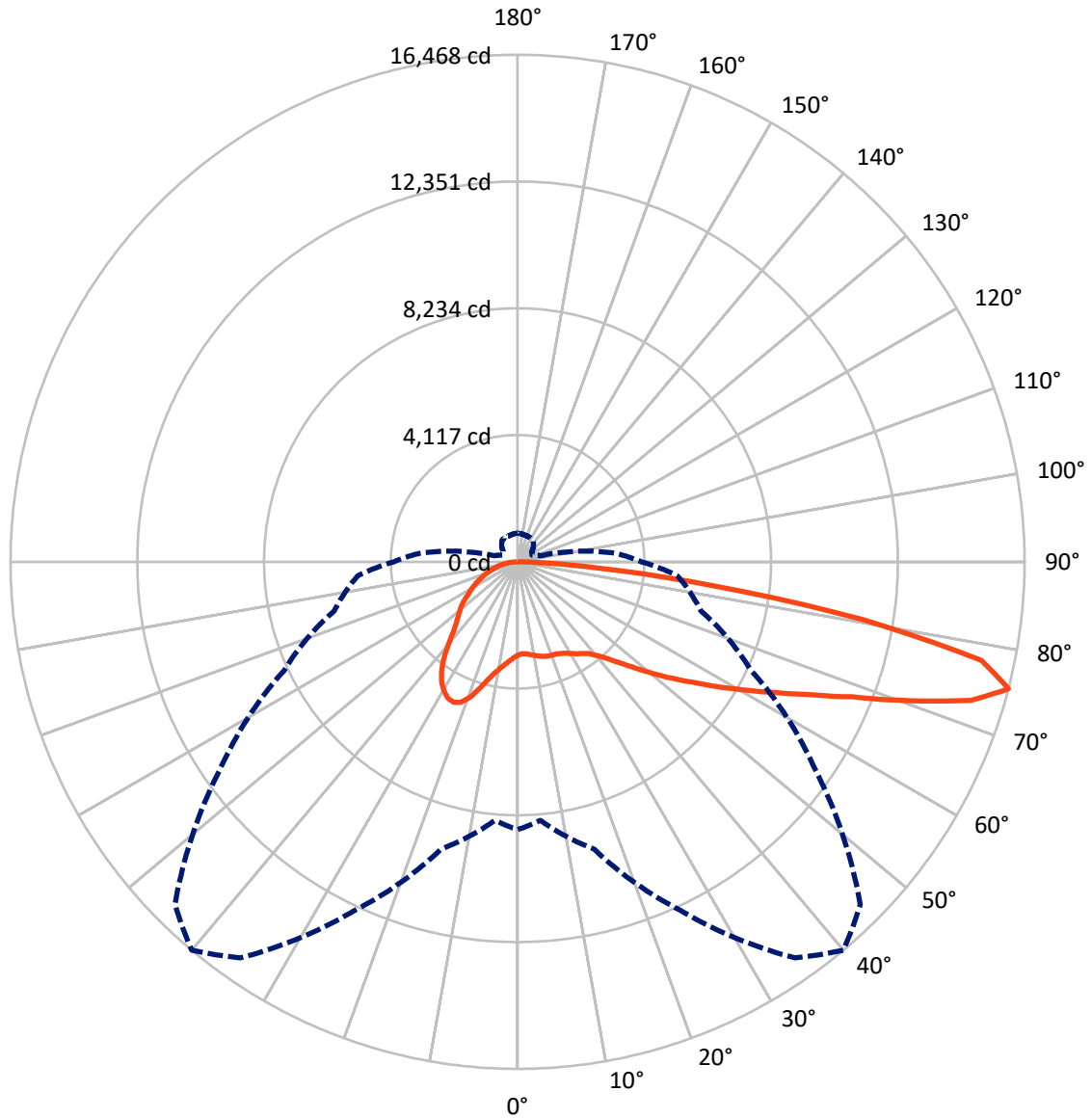
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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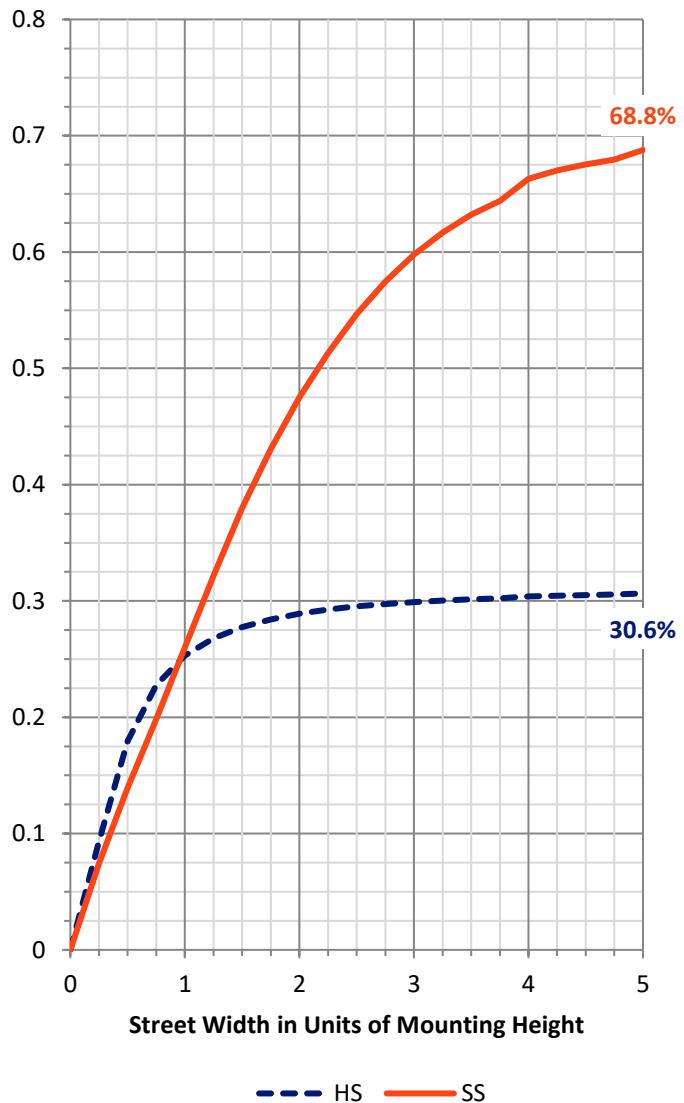
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8197.9	0.0	8197.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18261.1	0.0	18261.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	26459.0	0.0	26459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.0	1.1
10°-20°	1014.0	3.8
20°-30°	1851.5	7.0
30°-40°	2625.9	9.9
40°-50°	3545.8	13.4
50°-60°	4770.0	18.0
60°-70°	6054.2	22.9
70°-80°	5494.6	20.8
80°-90°	800.9	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°	26459.0	100.0
0°-180°	26459.0	100.0

Coefficient of Utilization

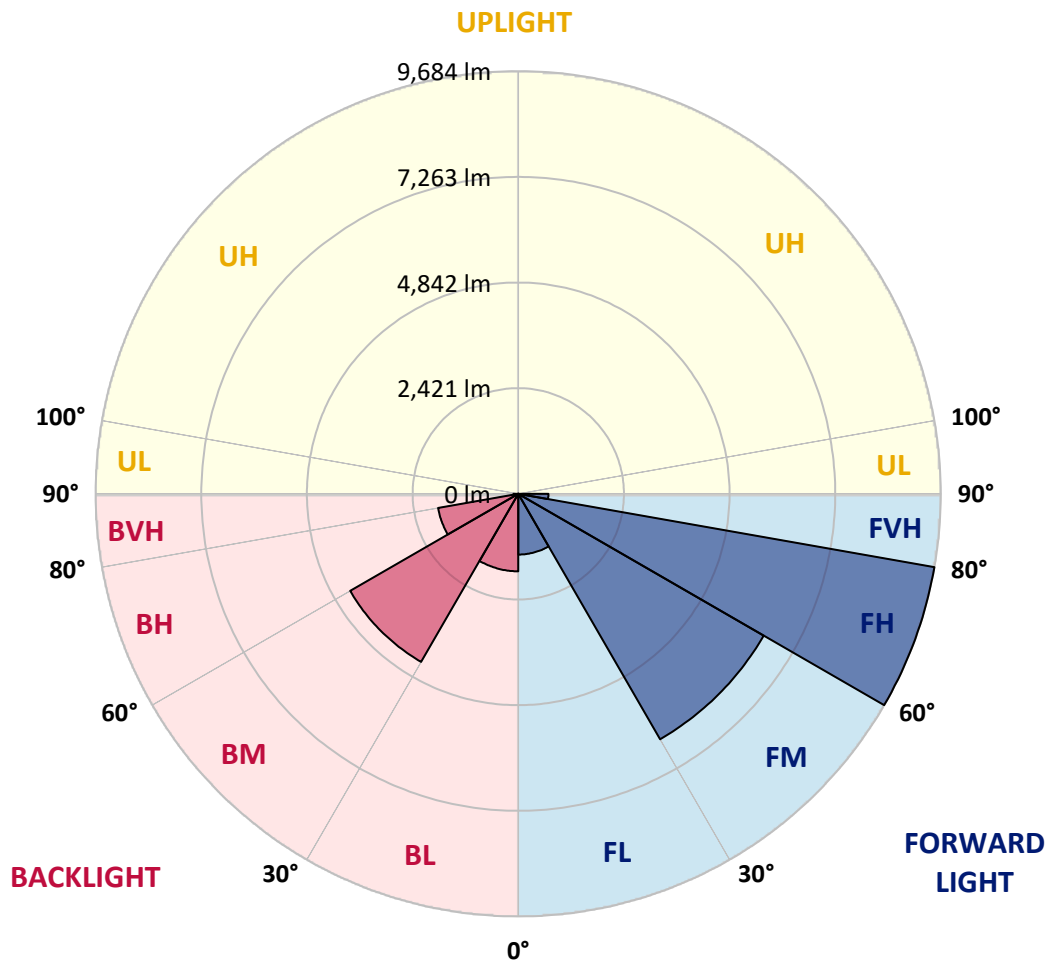


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.8	5.3			
FM (30°-60°)	6495.1	24.5			
FH (60°-80°)	9683.6	36.6			G4/12000
FVH (80°-90°)	690.7	2.6			G4/750
BL (0°-30°)	1775.7	6.7	B3/2500		
BM (30°-60°)	4446.6	16.8	B3/5000		
BH (60°-80°)	1865.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	110.3	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°	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6
2.5°	2979.3	2996.2	2991.9	2986.3	2986.3	2987.7	2986.3	2996.2	3006.0	3015.8
5°	3010.2	3027.0	3018.6	3011.6	3006.0	3004.6	3000.4	2999.0	3004.6	3017.2
7.5°	3070.5	3087.4	3074.7	3062.1	3050.9	3045.3	3039.7	3031.2	3027.0	3034.0
10°	3137.9	3154.7	3139.3	3116.8	3098.6	3091.6	3086.0	3077.5	3071.9	3076.1
12.5°	3205.3	3222.1	3201.0	3170.2	3146.3	3142.1	3135.1	3132.3	3130.9	3129.5
15°	3268.4	3282.4	3255.8	3219.3	3194.0	3187.0	3180.0	3184.2	3191.2	3199.6
17.5°	3317.5	3331.6	3292.3	3244.5	3220.7	3217.9	3213.7	3227.7	3247.4	3268.4
20°	3362.4	3376.5	3325.9	3261.4	3233.3	3233.3	3234.7	3264.2	3292.3	3323.1
22.5°	3425.6	3436.8	3375.1	3286.6	3245.9	3248.8	3260.0	3289.5	3324.5	3366.6
25°	3519.6	3528.0	3452.2	3334.4	3288.0	3296.5	3306.3	3320.3	3354.0	3403.1
27.5°	3671.2	3678.2	3578.5	3418.6	3348.4	3362.4	3376.5	3366.6	3382.1	3424.2
30°	3884.5	3888.7	3762.4	3550.5	3450.8	3457.9	3460.7	3420.0	3390.5	3424.2
32.5°	4137.1	4135.7	3985.5	3710.5	3567.3	3560.3	3536.4	3456.5	3387.7	3417.2
35°	4528.6	4513.2	4319.5	3935.0	3699.2	3655.7	3599.6	3497.1	3401.7	3410.1
37.5°	5177.0	5129.2	4861.2	4302.7	3895.7	3784.8	3702.0	3563.1	3432.6	3407.3
40°	5908.1	5847.8	5553.1	4806.5	4190.4	4012.2	3878.9	3657.1	3483.1	3420.0
42.5°	6775.4	6689.8	6372.6	5400.1	4563.7	4305.5	4104.8	3776.4	3557.5	3460.7
45°	7840.5	7726.8	7277.8	6069.5	5033.8	4690.0	4422.0	3957.4	3671.2	3539.2
47.5°	8916.9	8945.0	8306.4	6835.7	5598.0	5164.3	4819.1	4229.7	3836.8	3665.5
50°	10060.6	10080.3	9329.5	7684.7	6237.9	5700.4	5265.4	4534.2	4066.9	3845.2
52.5°	10953.1	10956.0	10258.5	8573.1	6904.5	6289.8	5746.7	4882.3	4333.5	4083.7
55°	11511.7	11504.7	10909.6	9413.7	7670.7	6908.7	6280.0	5278.0	4659.1	4364.4
57.5°	11917.2	11896.2	11358.7	10136.4	8487.5	7639.8	6883.4	5727.1	5043.6	4698.4
60°	12071.6	12059.0	11663.2	10760.9	9346.3	8448.2	7579.5	6229.5	5480.1	5092.8
62.5°	12130.6	12154.4	11962.2	11365.7	10265.5	9343.5	8344.3	6830.1	5971.3	5539.0
65°	12338.3	12381.8	12342.5	12157.2	11304.0	10391.8	9358.9	7544.4	6507.3	6017.6
67.5°	12749.4	12792.9	12809.8	13104.5	12572.6	11698.3	10624.8	8434.1	7134.6	6514.3
70°	12739.6	12727.0	13024.5	13858.1	14161.2	13507.2	12331.2	9528.7	7882.6	6926.9
72.5°	11595.9	11494.8	12197.9	13849.7	15483.2	15396.1	14415.2	10940.5	8528.2	6977.5
75°	8699.4	8429.9	9671.9	12481.4	15703.5	16468.3	15740.0	11816.2	8375.2	6164.9
77.5°	3720.3	3449.4	4913.1	9239.7	14054.5	15394.7	14524.7	10309.0	6685.6	4076.7
80°	973.9	972.5	1484.7	4189.0	9558.2	11368.5	9973.6	6657.5	3819.9	1456.7
82.5°	402.8	392.9	545.9	1629.3	4670.3	6379.6	5206.4	2969.5	1379.5	394.3
85°	150.2	148.8	265.2	562.7	1647.5	2631.3	1904.3	759.2	343.8	192.3
87.5°	42.1	40.7	57.5	195.1	401.4	609.1	325.6	124.9	96.8	75.8
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°
3025.6	0°	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6	3025.6
3031.2	2.5°	3035.4	3042.5	3055.1	3064.9	3077.5	3091.6	3111.2	3123.9	3136.5	3144.9
3038.3	5°	3048.1	3063.5	3095.8	3128.1	3166.0	3201.0	3241.7	3271.2	3295.1	3302.1
3063.5	7.5°	3076.1	3101.4	3156.1	3210.9	3271.2	3328.7	3387.7	3438.2	3478.9	3494.3
3108.4	10°	3125.3	3158.9	3236.1	3313.3	3393.3	3481.7	3557.5	3630.5	3688.0	3711.9
3161.7	12.5°	3187.0	3229.1	3330.1	3436.8	3547.7	3669.8	3768.0	3857.8	3929.4	3961.7
3236.1	15°	3267.0	3321.7	3450.8	3594.0	3756.8	3926.6	4051.5	4151.1	4231.1	4270.4
3313.3	17.5°	3354.0	3427.0	3589.8	3805.9	4038.8	4262.0	4407.9	4480.9	4563.7	4601.6
3384.9	20°	3438.2	3528.0	3761.0	4075.3	4385.5	4622.6	4740.5	4760.2	4765.8	4770.0
3452.2	22.5°	3525.2	3645.9	3975.7	4414.9	4747.5	4911.7	4928.6	4844.4	4726.5	4671.8
3518.2	25°	3620.6	3780.6	4256.4	4789.6	5059.1	5078.7	4949.6	4744.7	4521.6	4419.1
3571.5	27.5°	3713.3	3936.4	4593.2	5147.5	5283.6	5111.0	4833.1	4542.6	4273.2	4165.1
3609.4	30°	3805.9	4114.6	4965.1	5460.4	5386.1	5031.0	4649.3	4325.1	4054.3	3940.6
3643.1	32.5°	3899.9	4322.3	5393.1	5686.4	5367.8	4861.2	4420.6	4080.9	3842.4	3723.1
3672.6	35°	4006.6	4577.7	5798.6	5809.9	5245.7	4611.4	4118.8	3789.0	3581.3	3485.9
3707.6	37.5°	4145.5	4901.9	6156.5	5840.7	5032.4	4245.1	3744.1	3443.8	3272.6	3229.1
3759.6	40°	4318.1	5292.0	6430.1	5791.6	4716.7	3800.3	3334.4	3094.4	2997.6	3007.4
3829.7	42.5°	4542.6	5728.5	6622.4	5665.3	4277.4	3341.4	2975.1	2868.4	2914.8	2954.1
3935.0	45°	4834.5	6181.8	6741.7	5450.6	3780.6	2952.6	2763.2	2788.5	2823.5	2827.7
4104.8	47.5°	5207.8	6640.7	6820.3	5126.4	3274.0	2679.0	2628.5	2634.1	2627.1	2597.6
4358.8	50°	5673.7	7086.9	6890.4	4697.0	2843.2	2507.8	2440.4	2420.8	2323.9	2228.5
4697.0	52.5°	6204.2	7496.7	6919.9	4163.7	2507.8	2364.6	2255.2	2131.7	1950.7	1921.2
5122.2	55°	6793.6	7875.6	6844.1	3508.4	2225.7	2180.8	2015.2	1866.5	1846.8	1821.5
5682.2	57.5°	7498.1	8284.0	6689.8	2777.2	1936.6	1966.1	1804.7	1821.5	1786.5	1747.2
6402.1	60°	8268.5	8706.4	6418.9	2110.6	1637.7	1698.1	1750.0	1748.6	1738.8	1706.5
7161.3	62.5°	8961.8	8984.2	5885.6	1616.7	1375.3	1490.4	1632.1	1630.7	1622.3	1604.0
7954.2	65°	9374.4	8942.1	4995.9	1272.8	1159.2	1319.1	1472.1	1483.3	1484.7	1483.3
8550.6	67.5°	9301.4	8449.6	3775.0	1013.2	980.9	1145.1	1313.5	1329.0	1340.2	1343.0
8626.4	70°	8476.2	7367.6	2461.5	808.3	822.4	992.2	1163.4	1178.8	1188.6	1199.9
7485.5	72.5°	6607.0	5416.9	1409.0	654.0	683.4	860.3	1014.6	1032.9	1038.5	1059.5
5209.2	75°	4026.2	3185.6	760.6	515.0	561.3	735.4	867.3	888.3	898.1	923.4
2558.3	77.5°	1914.2	1379.5	433.6	401.4	451.9	600.6	732.5	756.4	729.7	743.8
705.9	80°	646.9	512.2	273.7	305.9	345.2	468.7	586.6	610.5	554.3	551.5
234.4	82.5°	225.9	207.7	174.0	203.5	223.1	335.4	443.5	474.3	412.6	411.2
105.3	85°	88.4	84.2	96.8	110.9	133.3	206.3	291.9	307.3	254.0	204.9
30.9	87.5°	18.2	19.6	23.9	25.3	40.7	71.6	105.3	129.1	102.4	87.0
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

<u>180°</u>
3025.6
3139.3
3304.9
3495.7
3713.3
3961.7
4267.6
4600.2
4781.2
4687.2
4434.6
4177.8
3953.2
3738.5
3507.0
3260.0
3041.1
2990.5
2855.8
2620.1
2241.1
1931.0
1825.8
1740.2
1695.2
1597.0
1483.3
1345.8
1205.5
1067.9
926.2
732.5
545.9
391.5
202.1
80.0
0.0

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