

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: P848093

Luminaire Tested: **GLAN-SB4C-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848093
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-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 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: 28740 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

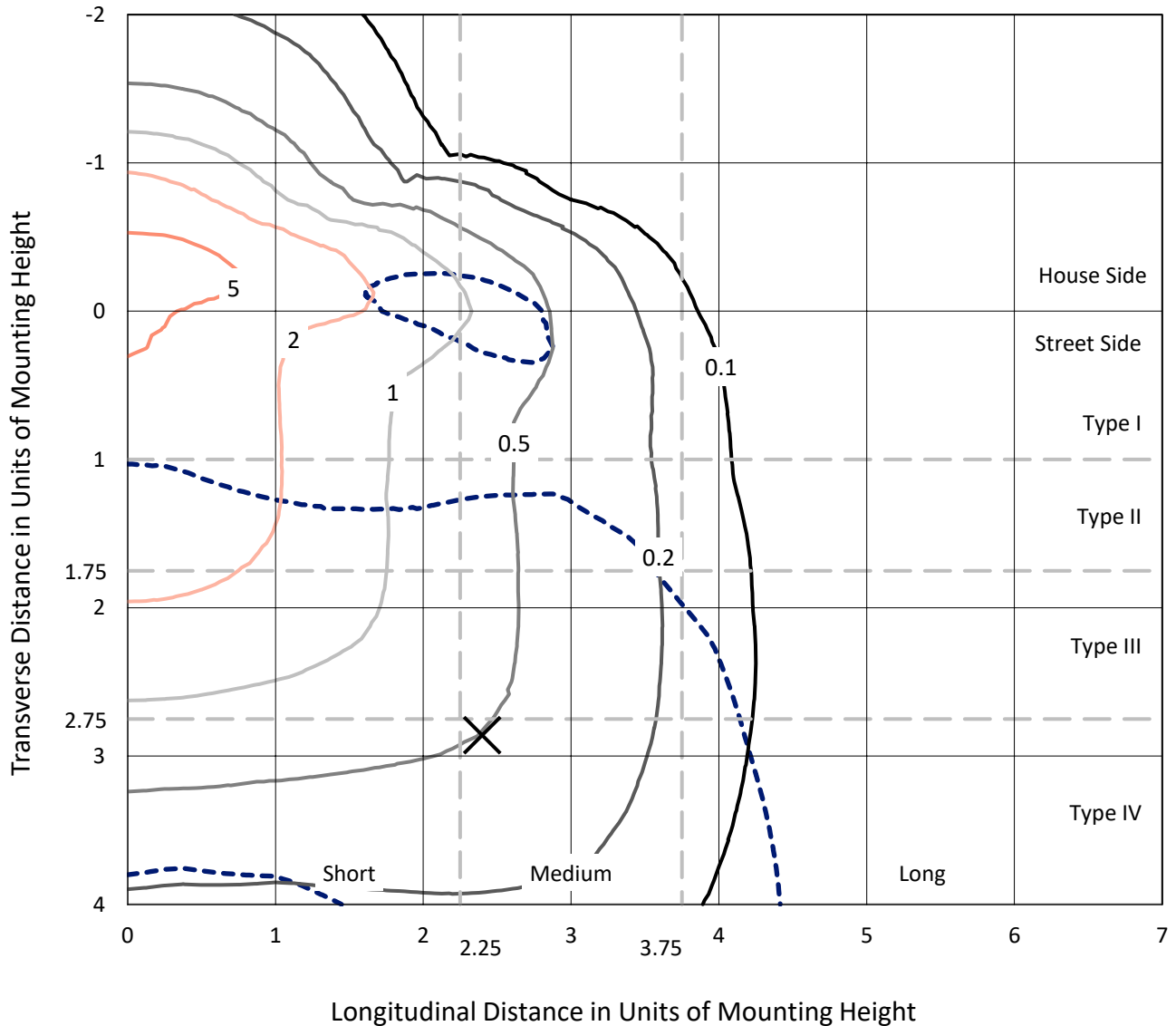
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

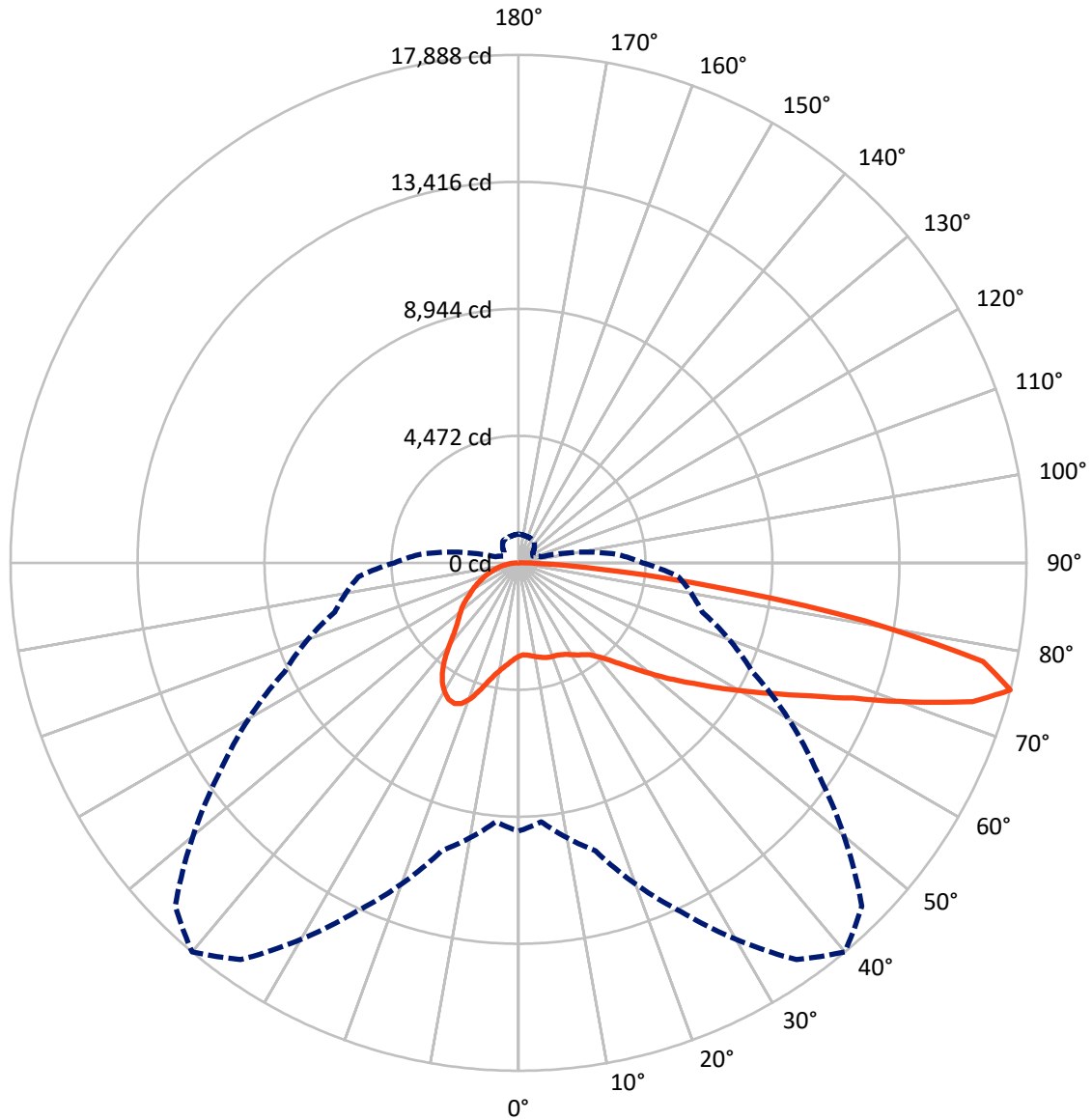
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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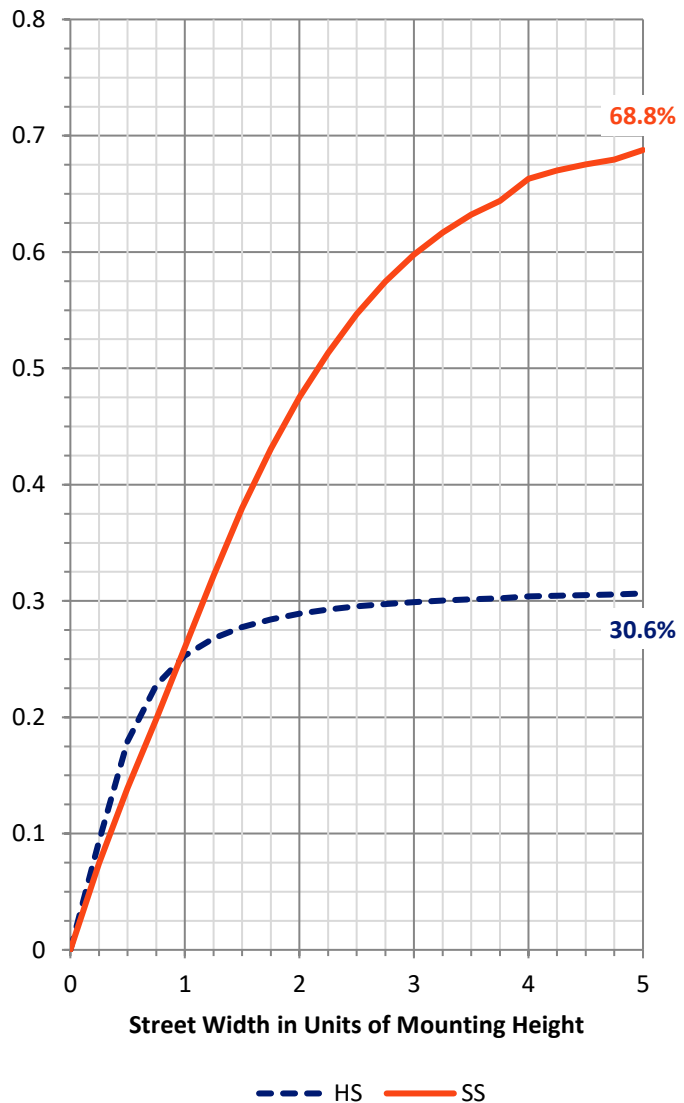
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8904.6	0.0	8904.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19835.4	0.0	19835.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	28740.0	0.0	28740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.1	1.1
10°-20°	1101.4	3.8
20°-30°	2011.1	7.0
30°-40°	2852.3	9.9
40°-50°	3851.5	13.4
50°-60°	5181.2	18.0
60°-70°	6576.2	22.9
70°-80°	5968.3	20.8
80°-90°	870.0	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°	28740.0	100.0
0°-180°	28740.0	100.0

Coefficient of Utilization

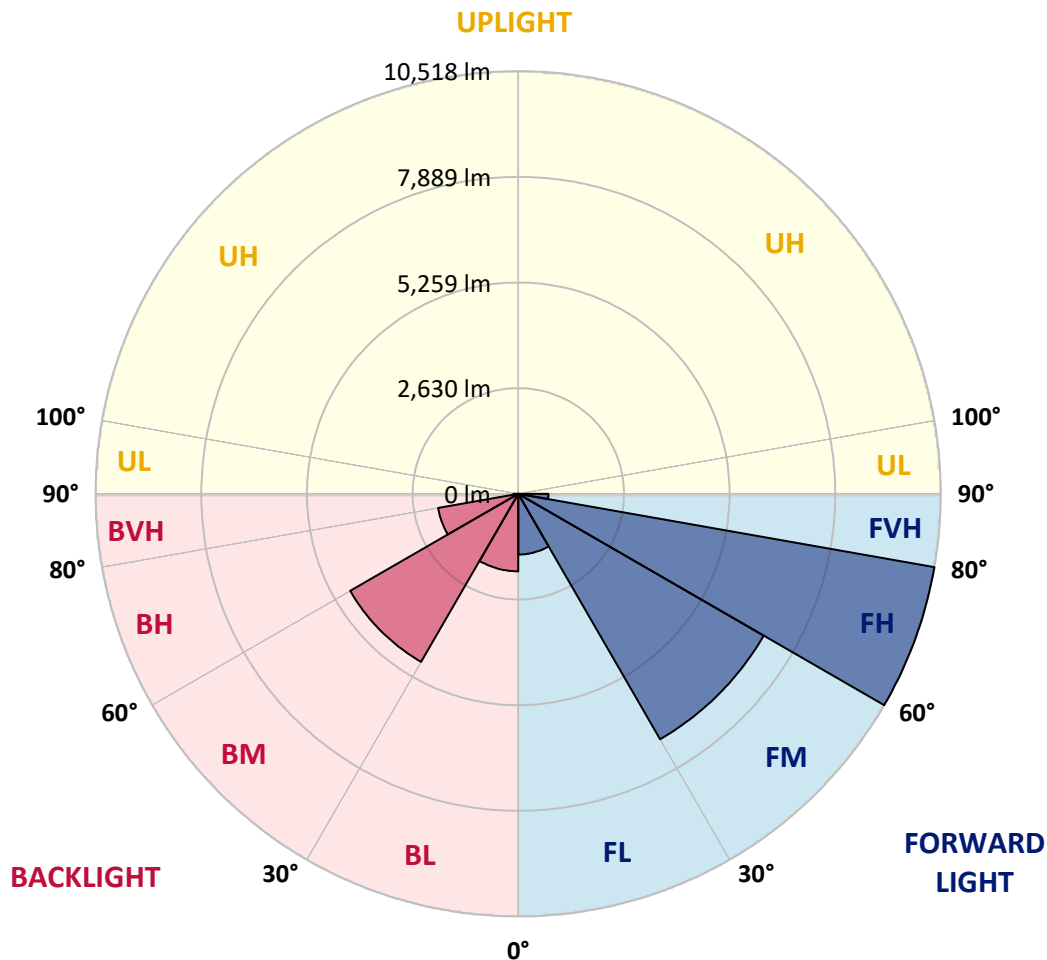


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1511.8	5.3			
FM (30°-60°)	7055.0	24.5			
FH (60°-80°)	10518.4	36.6			G4/12000
FVH (80°-90°)	750.2	2.6			G5
BL (0°-30°)	1928.8	6.7	B3/2500		
BM (30°-60°)	4830.0	16.8	B3/5000		
BH (60°-80°)	2026.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	119.8	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-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5
2.5°	3236.2	3254.4	3249.9	3243.8	3243.8	3245.3	3243.8	3254.4	3265.1	3275.8
5°	3269.7	3288.0	3278.8	3271.2	3265.1	3263.6	3259.0	3257.5	3263.6	3277.3
7.5°	3335.2	3353.5	3339.8	3326.1	3313.9	3307.8	3301.7	3292.6	3288.0	3295.6
10°	3408.4	3426.7	3409.9	3385.5	3365.7	3358.1	3352.0	3342.9	3336.8	3341.3
12.5°	3481.6	3499.9	3477.0	3443.5	3417.5	3413.0	3405.4	3402.3	3400.8	3399.3
15°	3550.2	3565.4	3536.4	3496.8	3469.4	3461.8	3454.1	3458.7	3466.3	3475.5
17.5°	3603.5	3618.8	3576.1	3524.3	3498.3	3495.3	3490.7	3506.0	3527.3	3550.2
20°	3652.3	3667.5	3612.7	3542.5	3512.1	3512.1	3513.6	3545.6	3576.1	3609.6
22.5°	3720.9	3733.1	3666.0	3570.0	3525.8	3528.8	3541.0	3573.0	3611.1	3656.9
25°	3823.0	3832.2	3749.9	3621.8	3571.5	3580.7	3591.3	3606.6	3643.2	3696.5
27.5°	3987.6	3995.3	3887.0	3713.3	3637.1	3652.3	3667.5	3656.9	3673.6	3719.4
30°	4219.3	4223.9	4086.7	3856.6	3748.3	3756.0	3759.0	3714.8	3682.8	3719.4
32.5°	4493.7	4492.2	4329.1	4030.3	3874.8	3867.2	3841.3	3754.4	3679.7	3711.7
35°	4919.0	4902.2	4691.9	4274.2	4018.1	3970.9	3909.9	3798.6	3695.0	3704.1
37.5°	5623.3	5571.4	5280.3	4673.6	4231.5	4111.1	4021.2	3870.3	3728.5	3701.1
40°	6417.4	6351.9	6031.8	5220.8	4551.7	4358.1	4213.3	3972.4	3783.4	3714.8
42.5°	7359.5	7266.5	6922.0	5865.6	4957.1	4676.6	4458.7	4102.0	3864.2	3759.0
45°	8516.4	8393.0	7905.2	6592.7	5467.8	5094.3	4803.2	4298.6	3987.6	3844.4
47.5°	9685.6	9716.1	9022.5	7425.0	6080.6	5609.5	5234.6	4594.3	4167.5	3981.6
50°	10927.9	10949.3	10133.8	8347.2	6775.7	6191.8	5719.3	4925.1	4417.5	4176.7
52.5°	11897.4	11900.5	11142.9	9312.1	7499.7	6832.1	6242.1	5303.1	4707.1	4435.8
55°	12504.1	12496.5	11850.1	10225.2	8332.0	7504.3	6821.4	5733.0	5060.8	4740.7
57.5°	12944.6	12921.8	12337.9	11010.2	9219.2	8298.5	7476.8	6220.8	5478.4	5103.5
60°	13112.3	13098.6	12668.7	11688.6	10152.0	9176.5	8232.9	6766.5	5952.5	5531.8
62.5°	13176.3	13202.2	12993.4	12345.6	11150.5	10149.0	9063.7	7418.9	6486.0	6016.5
65°	13401.9	13449.2	13406.5	13205.3	12278.5	11287.7	10165.8	8194.8	7068.3	6536.3
67.5°	13848.5	13895.8	13914.1	14234.2	13656.5	12706.8	11540.7	9161.2	7749.7	7075.9
70°	13837.9	13824.2	14147.3	15052.8	15382.0	14671.7	13394.3	10350.2	8562.2	7524.1
72.5°	12595.5	12485.8	13249.5	15043.6	16817.9	16723.4	15657.9	11883.7	9263.4	7579.0
75°	9449.3	9156.7	10505.7	13557.4	17057.3	17888.0	17096.9	12834.9	9097.2	6696.4
77.5°	4041.0	3746.8	5336.7	10036.2	15266.2	16721.9	15776.8	11197.7	7261.9	4428.2
80°	1057.9	1056.4	1612.7	4550.1	10382.2	12348.6	10833.4	7231.4	4149.2	1582.3
82.5°	437.5	426.8	593.0	1769.7	5073.0	6929.6	5655.3	3225.5	1498.4	428.3
85°	163.1	161.6	288.1	611.3	1789.6	2858.1	2068.5	824.7	373.5	208.8
87.5°	45.7	44.2	62.5	211.9	436.0	661.6	353.6	135.7	105.2	82.3
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°
3286.5	0°	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5
3292.6	2.5°	3297.1	3304.7	3318.5	3329.1	3342.9	3358.1	3379.4	3393.2	3406.9	3416.0
3300.2	5°	3310.8	3327.6	3362.7	3397.7	3438.9	3477.0	3521.2	3553.2	3579.1	3586.8
3327.6	7.5°	3341.3	3368.8	3428.2	3487.7	3553.2	3615.7	3679.7	3734.6	3778.8	3795.6
3376.4	10°	3394.7	3431.3	3515.1	3598.9	3685.8	3781.9	3864.2	3943.4	4005.9	4031.9
3434.3	12.5°	3461.8	3507.5	3617.2	3733.1	3853.5	3986.1	4092.8	4190.4	4268.1	4303.2
3515.1	15°	3548.6	3608.1	3748.3	3903.8	4080.6	4265.1	4400.7	4509.0	4595.9	4638.5
3598.9	17.5°	3643.2	3722.4	3899.2	4134.0	4387.0	4629.4	4787.9	4867.2	4957.1	4998.3
3676.7	20°	3734.6	3832.2	4085.2	4426.7	4763.5	5021.1	5149.2	5170.5	5176.6	5181.2
3749.9	22.5°	3829.1	3960.2	4318.4	4795.5	5156.8	5335.2	5353.4	5262.0	5133.9	5074.5
3821.5	25°	3932.8	4106.5	4623.3	5202.5	5495.2	5516.6	5376.3	5153.8	4911.4	4800.1
3879.4	27.5°	4033.4	4275.7	4989.1	5591.2	5739.1	5551.6	5249.8	4934.3	4641.6	4524.2
3920.6	30°	4134.0	4469.3	5393.1	5931.2	5850.4	5464.7	5050.1	4698.0	4403.8	4280.3
3957.2	32.5°	4236.1	4694.9	5858.0	6176.6	5830.6	5280.3	4801.6	4432.8	4173.6	4044.0
3989.2	35°	4352.0	4972.4	6298.5	6310.7	5697.9	5009.0	4473.9	4115.7	3890.1	3786.4
4027.3	37.5°	4502.9	5324.5	6687.2	6344.3	5466.3	4611.1	4066.9	3740.7	3554.7	3507.5
4083.7	40°	4690.4	5748.3	6984.5	6290.9	5123.3	4127.9	3621.8	3361.1	3256.0	3266.6
4159.9	42.5°	4934.3	6222.3	7193.3	6153.7	4646.2	3629.4	3231.6	3115.7	3166.0	3208.7
4274.2	45°	5251.3	6714.7	7322.9	5920.5	4106.5	3207.2	3001.4	3028.8	3067.0	3071.5
4458.7	47.5°	5656.8	7213.1	7408.2	5568.4	3556.3	2909.9	2855.1	2861.2	2853.5	2821.5
4734.6	50°	6162.9	7697.9	7484.5	5101.9	3088.3	2724.0	2650.8	2629.5	2524.3	2420.6
5101.9	52.5°	6739.1	8143.0	7516.5	4522.7	2724.0	2568.5	2449.6	2315.5	2118.8	2086.8
5563.8	55°	7379.3	8554.5	7434.2	3810.8	2417.6	2368.8	2188.9	2027.4	2006.0	1978.6
6172.0	57.5°	8144.5	8998.1	7266.5	3016.7	2103.6	2135.6	1960.3	1978.6	1940.5	1897.8
6954.0	60°	8981.4	9456.9	6972.3	2292.6	1778.9	1844.4	1900.8	1899.3	1888.6	1853.6
7778.7	62.5°	9734.4	9758.8	6393.0	1756.0	1493.8	1618.8	1772.8	1771.3	1762.1	1742.3
8639.9	65°	10182.5	9713.0	5426.6	1382.6	1259.1	1432.9	1599.0	1611.2	1612.7	1611.2
9287.7	67.5°	10103.3	9178.0	4100.4	1100.6	1065.5	1243.9	1426.8	1443.5	1455.7	1458.8
9370.1	70°	9207.0	8002.7	2673.7	878.0	893.3	1077.7	1263.7	1280.4	1291.1	1303.3
8130.8	72.5°	7176.5	5883.9	1530.4	710.3	742.3	934.4	1102.1	1121.9	1128.0	1150.9
5658.3	75°	4373.3	3460.2	826.2	559.4	609.7	798.7	942.0	964.9	975.6	1003.0
2778.9	77.5°	2079.2	1498.4	471.0	436.0	490.8	652.4	795.7	821.6	792.7	807.9
766.7	80°	702.7	556.4	297.2	332.3	375.0	509.1	637.2	663.1	602.1	599.1
254.6	82.5°	245.4	225.6	189.0	221.0	242.4	364.3	481.7	515.2	448.2	446.6
114.3	85°	96.0	91.5	105.2	120.4	144.8	224.1	317.1	333.8	275.9	222.6
33.5	87.5°	19.8	21.3	25.9	27.4	44.2	77.7	114.3	140.2	111.3	94.5
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>
3286.5
3409.9
3589.8
3797.1
4033.4
4303.2
4635.5
4996.8
5193.4
5091.3
4816.9
4537.9
4294.0
4060.8
3809.3
3541.0
3303.2
3248.3
3102.0
2845.9
2434.4
2097.5
1983.2
1890.2
1841.4
1734.7
1611.2
1461.8
1309.4
1160.0
<i>1006.1</i>
795.7
593.0
425.3
219.5
86.9
0.0

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