

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: P848613

Luminaire Tested: **GLAN-SB5B-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848613  
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-SB5B-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27669 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

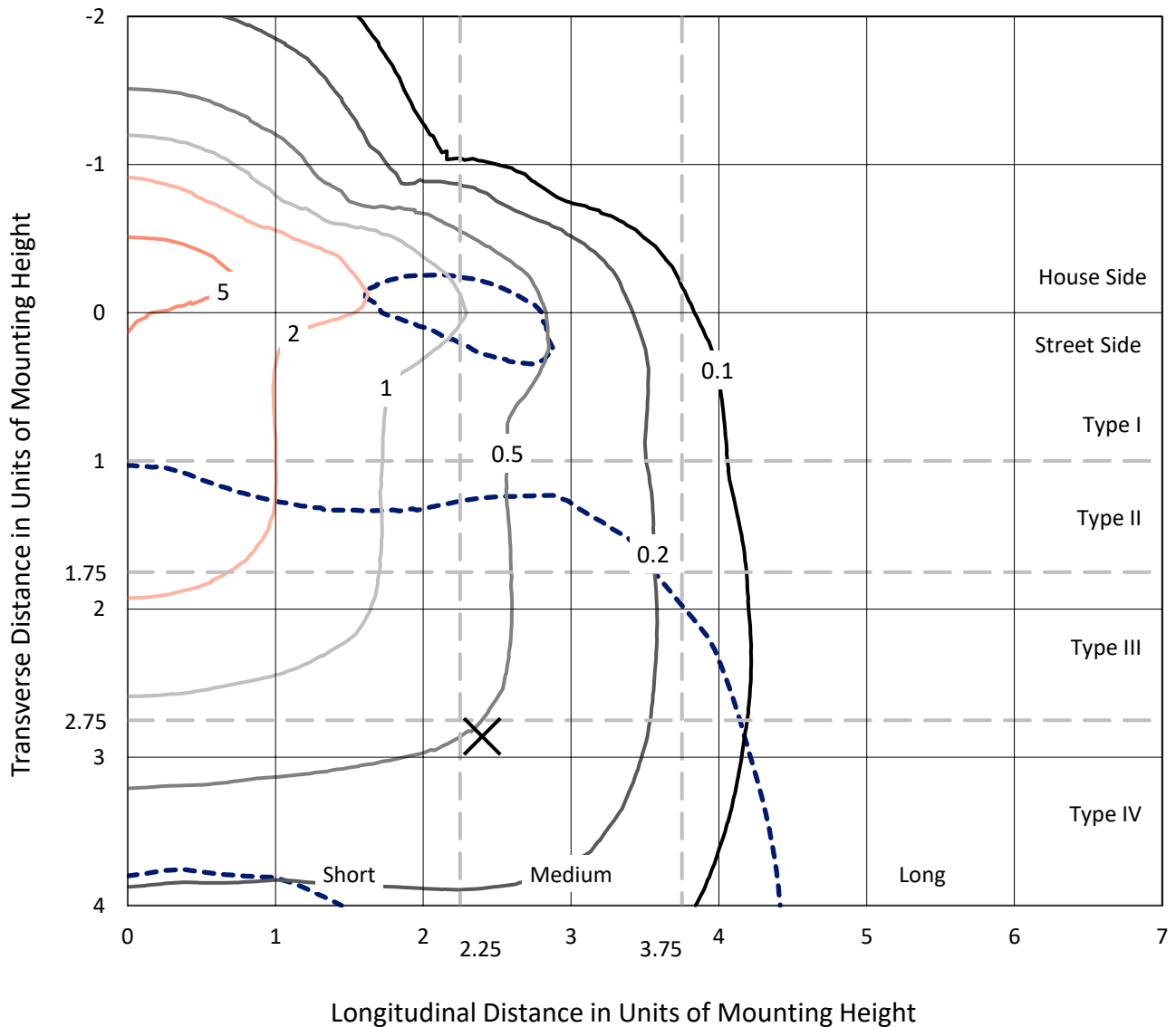
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

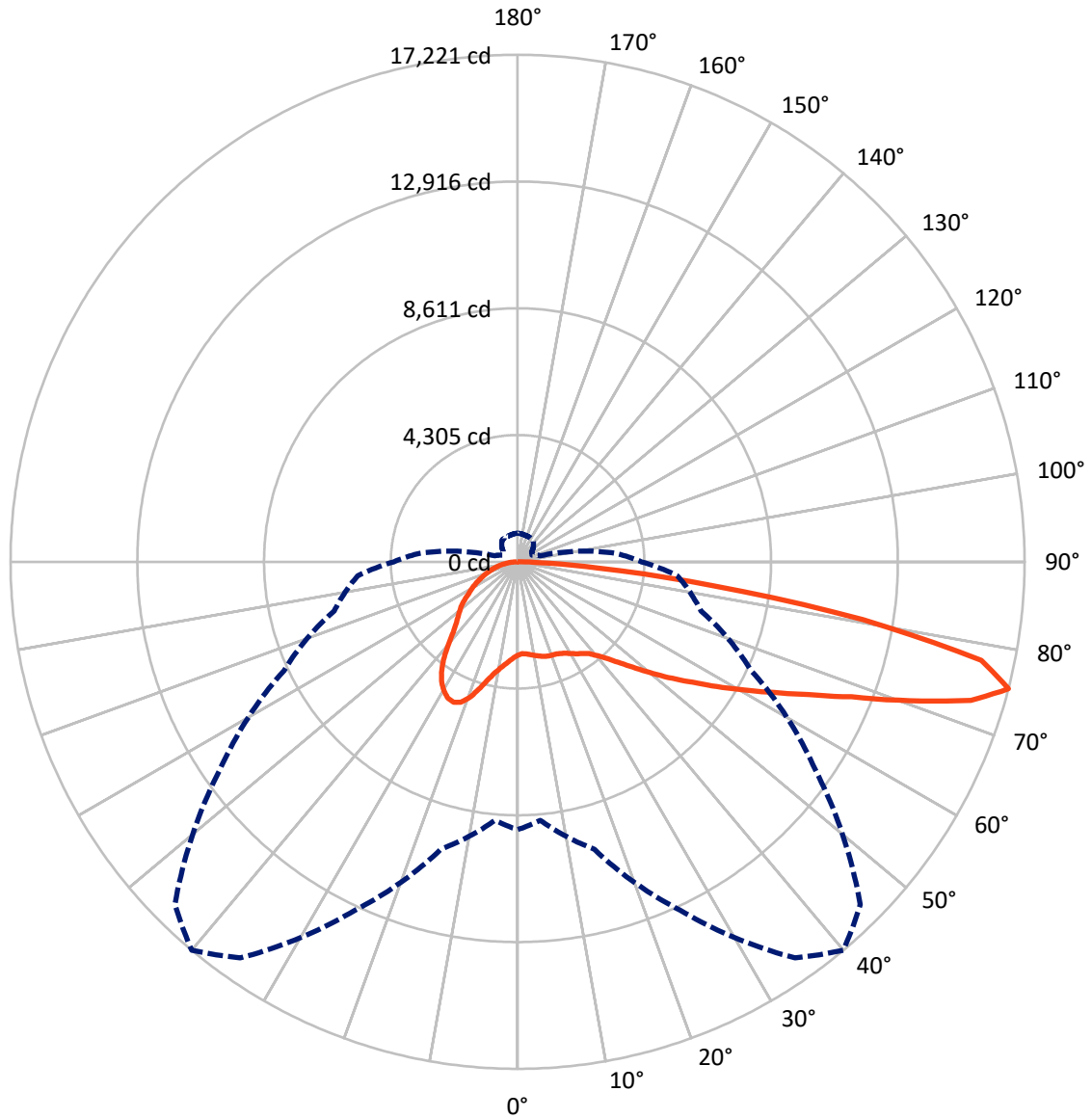
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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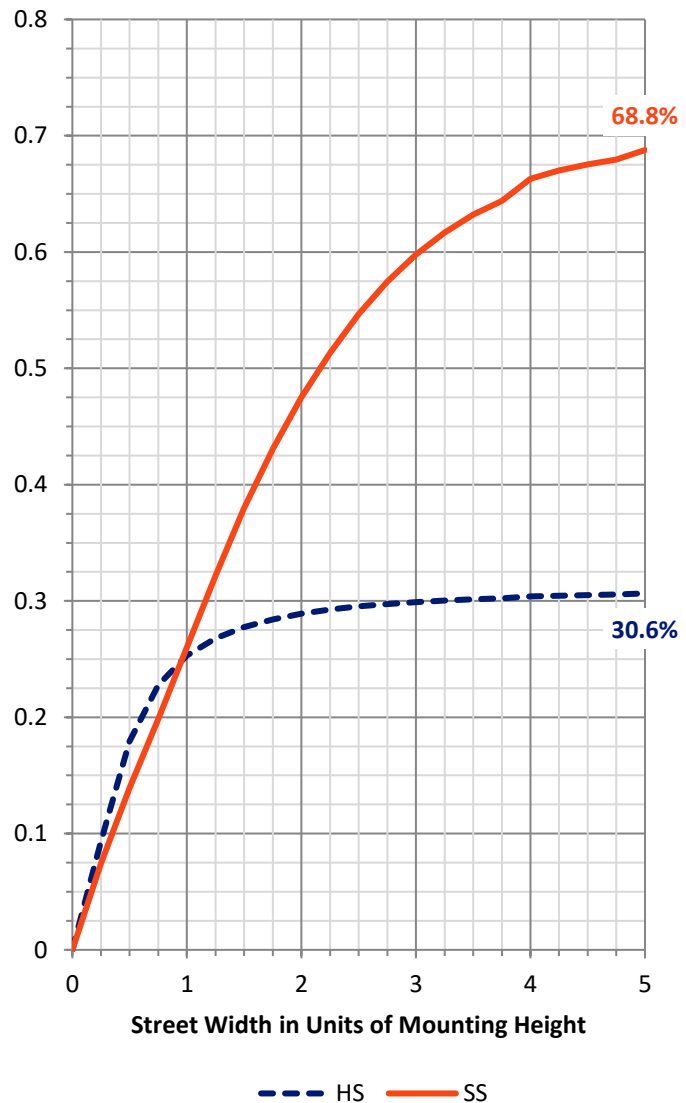
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8572.8	0.0	8572.8
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	19096.2	0.0	19096.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	27669.0	0.0	27669.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.8	1.1
10°-20°	1060.4	3.8
20°-30°	1936.2	7.0
30°-40°	2746.0	9.9
40°-50°	3707.9	13.4
50°-60°	4988.2	18.0
60°-70°	6331.1	22.9
70°-80°	5745.9	20.8
80°-90°	837.6	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°	27669.0	100.0
0°-180°	27669.0	100.0

**Coefficient of Utilization**

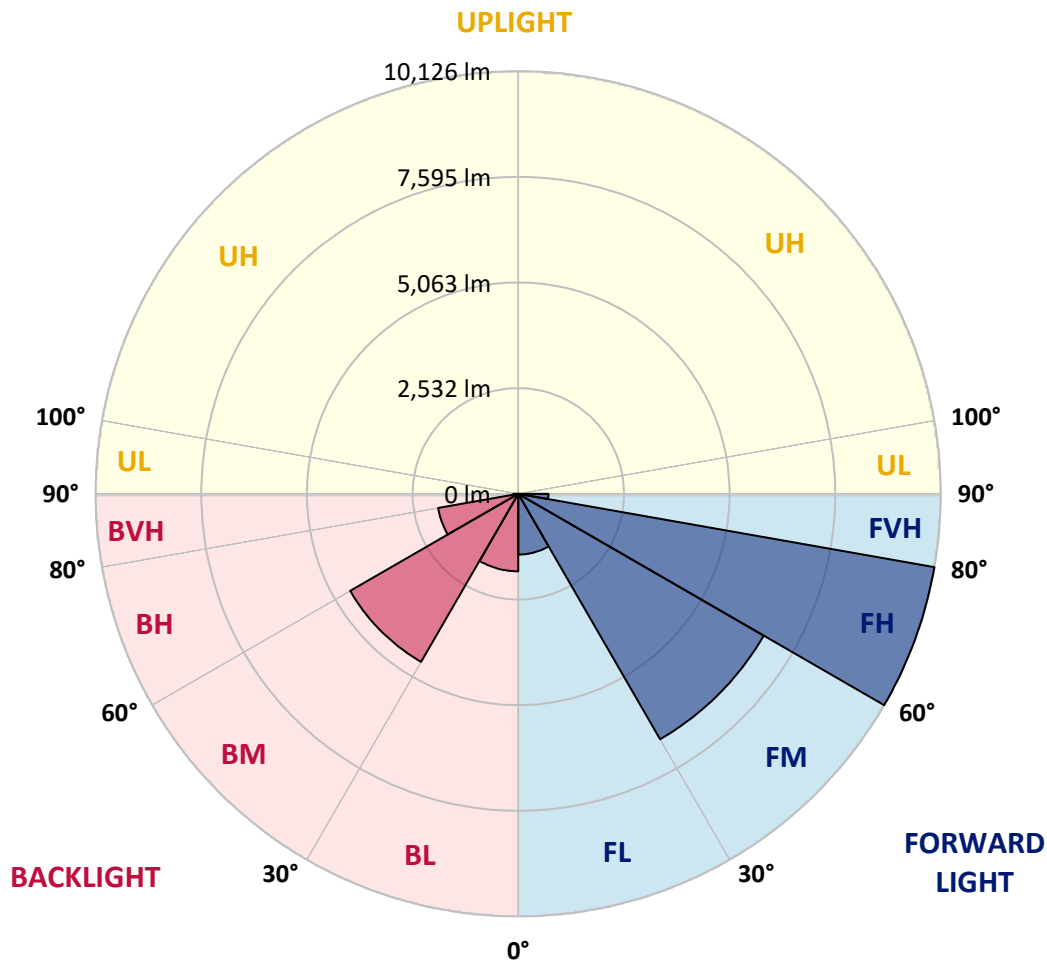


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.4	5.3			
FM (30°-60°)	6792.1	24.5			
FH (60°-80°)	10126.4	36.6			G4/12000
FVH (80°-90°)	722.3	2.6			G4/750
BL (0°-30°)	1856.9	6.7	B3/2500		
BM (30°-60°)	4650.0	16.8	B3/5000		
BH (60°-80°)	1950.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	115.3	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°	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0
2.5°	3115.6	3133.2	3128.8	3122.9	3122.9	3124.4	3122.9	3133.2	3143.4	3153.7
5°	3147.8	3165.5	3156.6	3149.3	3143.4	3142.0	3137.6	3136.1	3142.0	3155.2
7.5°	3210.9	3228.6	3215.4	3202.1	3190.4	3184.5	3178.7	3169.9	3165.5	3172.8
10°	3281.4	3299.0	3282.9	3259.4	3240.3	3233.0	3227.1	3218.3	3212.4	3216.8
12.5°	3351.8	3369.4	3347.4	3315.1	3290.2	3285.8	3278.5	3275.5	3274.1	3272.6
15°	3417.9	3432.5	3404.7	3366.5	3340.1	3332.8	3325.4	3329.8	3337.2	3346.0
17.5°	3469.2	3483.9	3442.8	3392.9	3368.0	3365.0	3360.6	3375.3	3395.9	3417.9
20°	3516.2	3530.9	3478.0	3410.5	3381.2	3381.2	3382.6	3413.5	3442.8	3475.1
22.5°	3582.2	3594.0	3529.4	3436.9	3394.4	3397.3	3409.1	3439.9	3476.6	3520.6
25°	3680.6	3689.4	3610.1	3486.8	3438.4	3447.2	3457.5	3472.2	3507.4	3558.8
27.5°	3839.0	3846.4	3742.2	3574.9	3501.5	3516.2	3530.9	3520.6	3536.7	3580.8
30°	4062.1	4066.5	3934.4	3712.8	3608.6	3616.0	3618.9	3576.4	3545.5	3580.8
32.5°	4326.3	4324.8	4167.8	3880.1	3730.5	3723.1	3698.2	3614.5	3542.6	3573.4
35°	4735.7	4719.6	4517.0	4114.9	3868.4	3822.9	3764.2	3657.1	3557.3	3566.1
37.5°	5413.7	5363.8	5083.5	4499.4	4073.9	3957.9	3871.3	3726.0	3589.6	3563.2
40°	6178.3	6115.2	5807.0	5026.3	4382.0	4195.7	4056.2	3824.4	3642.4	3576.4
42.5°	7085.2	6995.7	6664.0	5647.0	4772.4	4502.4	4292.5	3949.1	3720.2	3618.9
45°	8199.1	8080.2	7610.6	6347.1	5264.0	4904.5	4624.2	4138.4	3839.0	3701.1
47.5°	9324.7	9354.0	8686.3	7148.3	5854.0	5400.5	5039.5	4423.1	4012.2	3833.2
50°	10520.7	10541.2	9756.1	8036.2	6523.2	5961.1	5506.2	4741.6	4252.9	4021.0
52.5°	11454.0	11457.0	10727.6	8965.1	7220.2	6577.5	6009.5	5105.5	4531.7	4270.5
55°	12038.1	12030.8	11408.6	9844.2	8021.5	7224.6	6567.2	5519.4	4872.2	4564.0
57.5°	12462.2	12440.2	11878.2	10599.9	8875.6	7989.2	7198.2	5989.0	5274.3	4913.3
60°	12623.7	12610.5	12196.6	11253.0	9773.7	8834.5	7926.1	6514.3	5730.7	5325.7
62.5°	12685.3	12710.2	12509.2	11885.5	10735.0	9770.8	8725.9	7142.5	6244.3	5792.3
65°	12902.5	12948.0	12906.9	12713.2	11820.9	10867.0	9786.9	7889.4	6804.9	6292.8
67.5°	13332.5	13378.0	13395.6	13703.8	13147.6	12233.3	11110.6	8819.8	7460.9	6812.3
70°	13322.2	13309.0	13620.1	14491.8	14808.8	14124.9	12895.2	9964.5	8243.1	7243.7
72.5°	12126.2	12020.5	12755.7	14483.0	16191.2	16100.2	15074.4	11440.8	8918.2	7296.5
75°	9097.2	8815.4	10114.2	13052.2	16421.6	17221.4	16459.8	12356.6	8758.2	6446.8
77.5°	3890.4	3607.2	5137.8	9662.2	14697.3	16098.8	15188.9	10780.4	6991.3	4263.2
80°	1018.5	1017.0	1552.6	4380.6	9995.3	11888.4	10429.7	6961.9	3994.6	1523.3
82.5°	421.2	410.9	570.9	1703.8	4883.9	6671.4	5444.5	3105.3	1442.6	412.4
85°	157.0	155.6	277.4	588.5	1722.9	2751.6	1991.4	793.9	359.5	201.1
87.5°	44.0	42.6	60.2	204.0	419.7	636.9	340.5	130.6	101.3	79.2
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°
3164.0	0°	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0	3164.0
3169.9	2.5°	3174.3	3181.6	3194.8	3205.1	3218.3	3233.0	3253.5	3266.7	3279.9	3288.7
3177.2	5°	3187.5	3203.6	3237.4	3271.1	3310.7	3347.4	3390.0	3420.8	3445.8	3453.1
3203.6	7.5°	3216.8	3243.2	3300.5	3357.7	3420.8	3481.0	3542.6	3595.4	3638.0	3654.1
3250.6	10°	3268.2	3303.4	3384.1	3464.8	3548.5	3640.9	3720.2	3796.5	3856.7	3881.6
3306.3	12.5°	3332.8	3376.8	3482.4	3594.0	3709.9	3837.6	3940.3	4034.2	4109.1	4142.8
3384.1	15°	3416.4	3473.6	3608.6	3758.3	3928.6	4106.1	4236.7	4340.9	4424.6	4465.7
3464.8	17.5°	3507.4	3583.7	3753.9	3979.9	4223.5	4456.9	4609.5	4685.8	4772.4	4812.0
3539.7	20°	3595.4	3689.4	3933.0	4261.7	4586.0	4834.0	4957.3	4977.8	4983.7	4988.1
3610.1	22.5°	3686.4	3812.6	4157.5	4616.8	4964.6	5136.3	5154.0	5065.9	4942.6	4885.4
3679.1	25°	3786.2	3953.5	4451.0	5008.7	5290.4	5311.0	5176.0	4961.7	4728.4	4621.2
3734.9	27.5°	3883.1	4116.4	4803.2	5382.9	5525.2	5344.7	5054.2	4750.4	4468.6	4355.6
3774.5	30°	3979.9	4302.8	5192.1	5710.1	5632.4	5261.1	4861.9	4522.9	4239.7	4120.8
3809.7	32.5°	4078.3	4520.0	5639.7	5946.4	5613.3	5083.5	4622.7	4267.6	4018.1	3893.3
3840.5	35°	4189.8	4787.1	6063.8	6075.6	5485.6	4822.3	4307.2	3962.3	3745.1	3645.3
3877.2	37.5°	4335.1	5126.1	6438.0	6107.8	5262.5	4439.3	3915.4	3601.3	3422.3	3376.8
3931.5	40°	4515.6	5534.0	6724.2	6056.5	4932.4	3974.1	3486.8	3235.9	3134.6	3144.9
4004.9	42.5°	4750.4	5990.4	6925.3	5924.4	4473.0	3494.2	3111.2	2999.6	3048.1	3089.1
4114.9	45°	5055.6	6464.5	7050.0	5699.9	3953.5	3087.7	2889.6	2916.0	2952.7	2957.1
4292.5	47.5°	5446.0	6944.3	7132.2	5360.9	3423.7	2801.5	2748.7	2754.5	2747.2	2716.4
4558.1	50°	5933.2	7411.0	7205.6	4911.8	2973.2	2622.5	2552.0	2531.5	2430.2	2330.4
4911.8	52.5°	6487.9	7839.5	7236.4	4354.2	2622.5	2472.8	2358.3	2229.2	2039.9	2009.0
5356.5	55°	7104.3	8235.8	7157.1	3668.8	2327.5	2280.5	2107.4	1951.8	1931.3	1904.8
5942.0	57.5°	7841.0	8662.8	6995.7	2904.2	2025.2	2056.0	1887.2	1904.8	1868.2	1827.1
6694.9	60°	8646.7	9104.5	6712.5	2207.2	1712.6	1775.7	1830.0	1828.5	1818.3	1784.5
7488.8	62.5°	9371.6	9395.1	6154.8	1690.6	1438.2	1558.5	1706.7	1705.3	1696.5	1677.4
8317.9	65°	9803.1	9351.1	5224.4	1331.0	1212.2	1379.5	1539.4	1551.2	1552.6	1551.2
8941.6	67.5°	9726.8	8836.0	3947.6	1059.6	1025.8	1197.5	1373.6	1389.7	1401.5	1404.4
9020.9	70°	8863.9	7704.5	2574.0	845.3	860.0	1037.5	1216.6	1232.7	1243.0	1254.7
7827.8	72.5°	6909.1	5664.7	1473.4	683.9	714.7	899.6	1061.0	1080.1	1086.0	1108.0
5447.5	75°	4210.3	3331.3	795.4	538.6	587.0	769.0	906.9	928.9	939.2	965.6
2675.3	77.5°	2001.7	1442.6	453.5	419.7	472.5	628.1	766.0	791.0	763.1	777.8
738.2	80°	676.5	535.6	286.2	319.9	361.0	490.2	613.4	638.4	579.7	576.7
245.1	82.5°	236.3	217.2	182.0	212.8	233.3	350.7	463.7	496.0	431.5	430.0
110.1	85°	92.5	88.1	101.3	115.9	139.4	215.7	305.2	321.4	265.6	214.3
32.3	87.5°	19.1	20.5	24.9	26.4	42.6	74.8	110.1	135.0	107.1	91.0
0.0	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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180°
3164.0
3282.9
3456.0
3655.6
3883.1
4142.8
4462.7
4810.6
4999.9
4901.5
4637.4
4368.8
4134.0
3909.5
3667.3
3409.1
3180.1
3127.3
2986.4
2739.9
2343.6
2019.3
1909.3
1819.7
1772.8
1670.0
1551.2
1407.4
1260.6
1116.8
968.6
766.0
570.9
409.4
211.3
83.6
0.0

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