

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: McGRAW-EDISON

Report Number: P942572

Luminaire Tested: **GALN-SB6C-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 27402 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

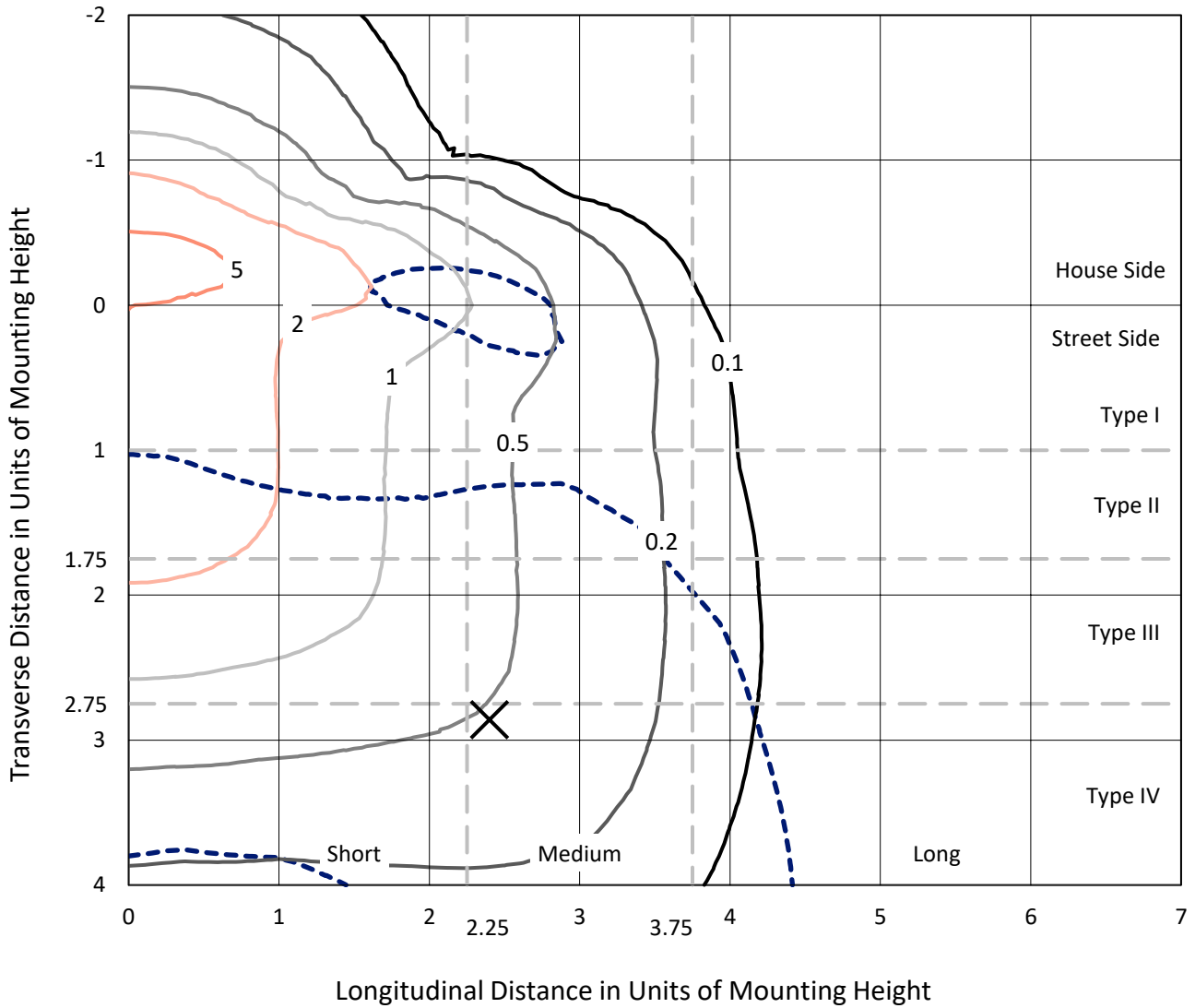
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

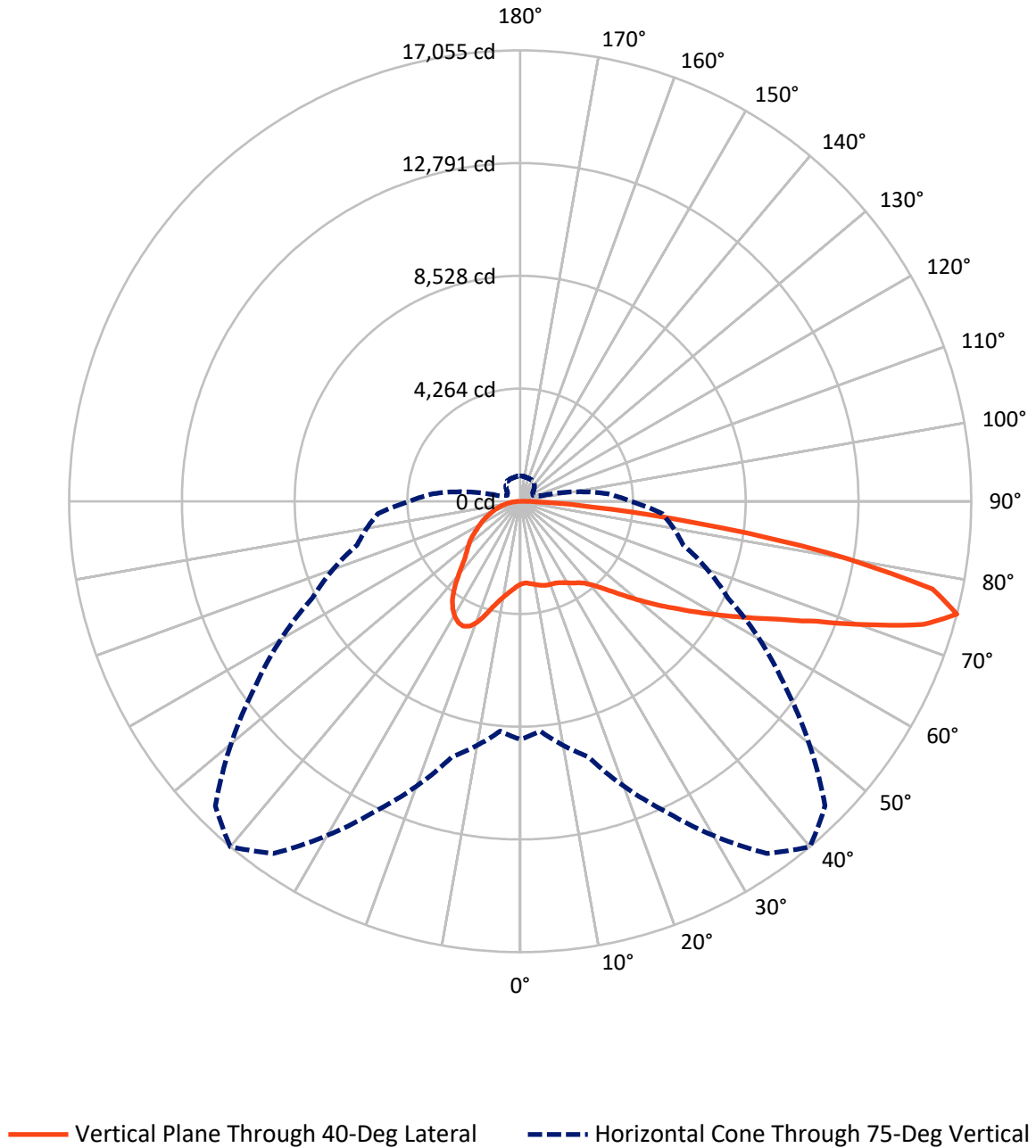
✕ Max cd
 - - - 1/2 Max cd



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



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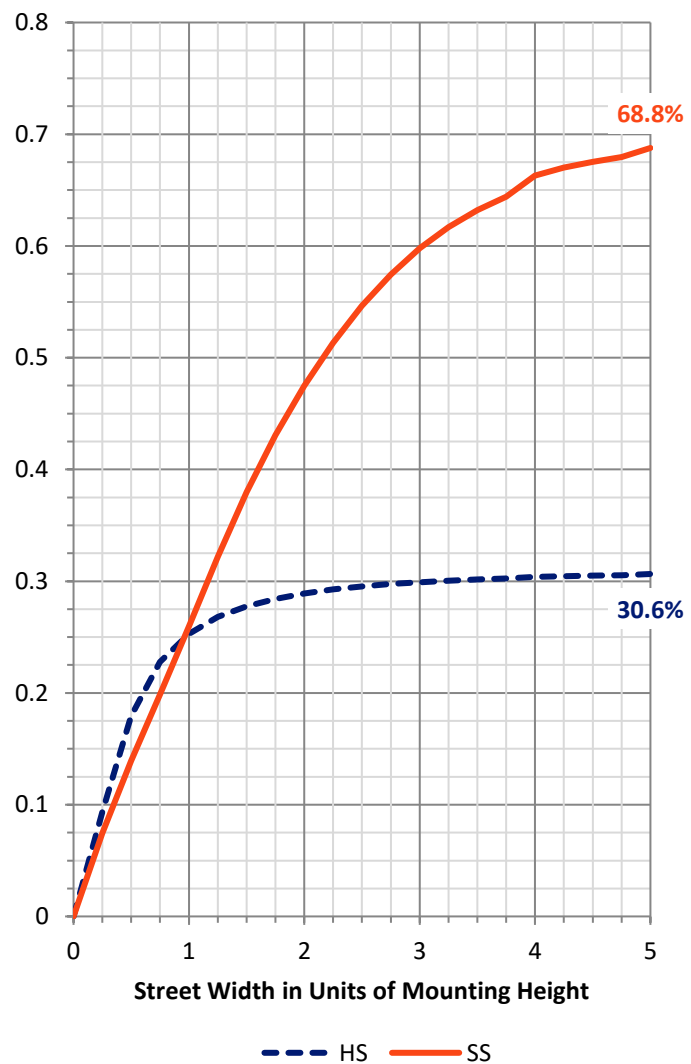
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8490.1	0.0	8490.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18912.0	0.0	18912.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	27402.0	0.0	27402.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.8	1.1
10°-20°	1050.1	3.8
20°-30°	1917.5	7.0
30°-40°	2719.5	9.9
40°-50°	3672.1	13.4
50°-60°	4940.0	18.0
60°-70°	6270.0	22.9
70°-80°	5690.4	20.8
80°-90°	829.5	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°	27402.0	100.0
0°-180°	27402.0	100.0

Coefficient of Utilization



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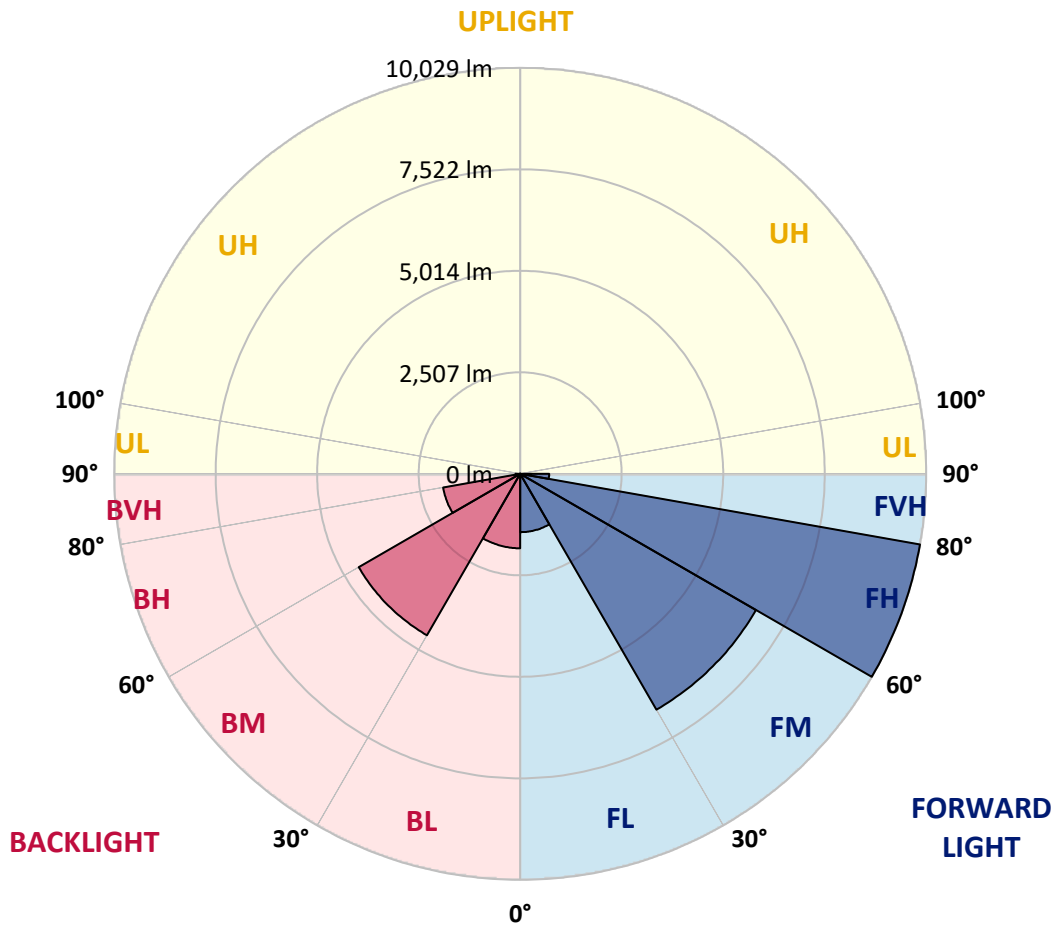
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1441.4	5.3			
FM (30°-60°)	6726.6	24.5			
FH (60°-80°)	10028.7	36.6			G4/12000
FVH (80°-90°)	715.3	2.6			G4/750
BL (0°-30°)	1839.0	6.7	B3/2500		
BM (30°-60°)	4605.1	16.8	B3/5000		
BH (60°-80°)	1931.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	114.2	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°	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5
2.5°	3085.5	3102.9	3098.6	3092.8	3092.8	3094.2	3092.8	3102.9	3113.1	3123.3
5°	3117.5	3134.9	3126.2	3118.9	3113.1	3111.7	3107.3	3105.8	3111.7	3124.7
7.5°	3180.0	3197.4	3184.3	3171.2	3159.6	3153.8	3148.0	3139.3	3134.9	3142.2
10°	3249.7	3267.2	3251.2	3227.9	3209.0	3201.8	3195.9	3187.2	3181.4	3185.8
12.5°	3319.5	3336.9	3315.1	3283.2	3258.4	3254.1	3246.8	3243.9	3242.5	3241.0
15°	3384.9	3399.4	3371.8	3334.0	3307.9	3300.6	3293.3	3297.7	3305.0	3313.7
17.5°	3435.8	3450.3	3409.6	3360.2	3335.5	3332.6	3328.2	3342.7	3363.1	3384.9
20°	3482.3	3496.8	3444.5	3377.6	3348.6	3348.6	3350.0	3380.5	3409.6	3441.6
22.5°	3547.7	3559.3	3495.3	3403.8	3361.6	3364.5	3376.2	3406.7	3443.0	3486.6
25°	3645.0	3653.8	3575.3	3453.2	3405.2	3414.0	3424.1	3438.7	3473.5	3524.4
27.5°	3802.0	3809.3	3706.1	3540.4	3467.7	3482.3	3496.8	3486.6	3502.6	3546.2
30°	4022.9	4027.3	3896.5	3677.0	3573.8	3581.1	3584.0	3541.9	3511.3	3546.2
32.5°	4284.5	4283.1	4127.6	3842.7	3694.5	3687.2	3662.5	3579.6	3508.4	3538.9
35°	4690.0	4674.0	4473.5	4075.2	3831.1	3786.0	3727.9	3621.8	3523.0	3531.7
37.5°	5361.5	5312.0	5034.5	4456.0	4034.5	3919.7	3834.0	3690.1	3554.9	3528.8
40°	6118.7	6056.2	5751.0	4977.8	4339.7	4155.2	4017.1	3787.5	3607.3	3541.9
42.5°	7016.8	6928.2	6599.7	5592.5	4726.3	4458.9	4251.1	3911.0	3684.3	3584.0
45°	8120.0	8002.2	7537.2	6285.8	5213.2	4857.1	4579.6	4098.5	3802.0	3665.4
47.5°	9234.7	9263.7	8602.5	7079.3	5797.5	5348.4	4990.9	4380.4	3973.5	3796.2
50°	10419.2	10439.5	9662.0	7958.6	6460.2	5903.6	5453.0	4695.8	4211.9	3982.2
52.5°	11343.5	11346.4	10624.1	8878.6	7150.6	6514.0	5951.5	5056.3	4488.0	4229.3
55°	11922.0	11914.7	11298.5	9749.2	7944.1	7154.9	6503.8	5466.1	4825.2	4520.0
57.5°	12342.0	12320.2	11763.5	10497.7	8790.0	7912.1	7128.8	5931.2	5223.4	4865.9
60°	12501.8	12488.8	12078.9	11144.4	9679.4	8749.3	7849.6	6451.5	5675.4	5274.3
62.5°	12562.9	12587.6	12388.5	11770.8	10631.4	9676.5	8641.7	7073.5	6184.1	5736.4
65°	12778.0	12823.0	12782.3	12590.5	11706.9	10762.2	9692.5	7813.3	6739.3	6232.0
67.5°	13203.8	13248.9	13266.3	13571.5	13020.7	12115.3	11003.4	8734.7	7388.9	6746.5
70°	13193.6	13180.6	13488.7	14352.0	14665.9	13988.6	12770.7	9868.3	8163.6	7173.8
72.5°	12009.2	11904.5	12632.6	14343.3	16035.0	15944.9	14929.0	11330.4	8832.1	7226.1
75°	9009.4	8730.4	10016.6	12926.2	16263.2	17055.2	16300.9	12237.3	8673.7	6384.6
77.5°	3852.9	3572.4	5088.2	9569.0	14555.5	15943.4	15042.3	10676.4	6923.8	4222.0
80°	1008.6	1007.2	1537.7	4338.3	9898.9	11773.7	10329.1	6894.8	3956.1	1508.6
82.5°	417.1	406.9	565.4	1687.4	4836.8	6607.0	5392.0	3075.3	1428.7	408.4
85°	155.5	154.1	274.7	582.8	1706.3	2725.1	1972.2	786.3	356.1	199.1
87.5°	43.6	42.1	59.6	202.0	415.7	630.8	337.2	129.3	100.3	78.5
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°
3133.5	0°	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5	3133.5
3139.3	2.5°	3143.6	3150.9	3164.0	3174.1	3187.2	3201.8	3222.1	3235.2	3248.3	3257.0
3146.5	5°	3156.7	3172.7	3206.1	3239.6	3278.8	3315.1	3357.3	3387.8	3412.5	3419.8
3172.7	7.5°	3185.8	3211.9	3268.6	3325.3	3387.8	3447.4	3508.4	3560.7	3602.9	3618.9
3219.2	10°	3236.6	3271.5	3351.5	3431.4	3514.2	3605.8	3684.3	3759.9	3819.4	3844.2
3274.4	12.5°	3300.6	3344.2	3448.8	3559.3	3674.1	3800.5	3902.3	3995.3	4069.4	4102.8
3351.5	15°	3383.4	3440.1	3573.8	3722.1	3890.7	4066.5	4195.9	4299.1	4381.9	4422.6
3431.4	17.5°	3473.5	3549.1	3717.7	3941.5	4182.8	4413.9	4565.0	4640.6	4726.3	4765.6
3505.5	20°	3560.7	3653.8	3895.0	4220.6	4541.8	4787.4	4909.5	4929.8	4935.6	4940.0
3575.3	22.5°	3650.9	3775.8	4117.4	4572.3	4916.7	5086.8	5104.2	5017.0	4894.9	4838.3
3643.6	25°	3749.7	3915.4	4408.1	4960.3	5239.4	5259.7	5126.0	4913.8	4682.7	4576.6
3698.8	27.5°	3845.6	4076.7	4756.9	5330.9	5471.9	5293.2	5005.4	4704.5	4425.5	4313.6
3738.1	30°	3941.5	4261.3	5142.0	5655.0	5578.0	5210.3	4815.0	4479.3	4198.8	4081.0
3772.9	32.5°	4038.9	4476.4	5585.3	5889.0	5559.1	5034.5	4578.1	4226.4	3979.3	3855.8
3803.5	35°	4149.4	4740.9	6005.3	6016.9	5432.7	4775.8	4265.6	3924.1	3709.0	3610.2
3839.8	37.5°	4293.2	5076.6	6375.9	6048.9	5211.8	4396.4	3877.6	3566.6	3389.2	3344.2
3893.6	40°	4472.0	5480.6	6659.3	5998.0	4884.8	3935.7	3453.2	3204.7	3104.4	3114.6
3966.2	42.5°	4704.5	5932.6	6858.4	5867.2	4429.9	3460.5	3081.1	2970.7	3018.6	3059.3
4075.2	45°	5006.8	6402.1	6982.0	5644.9	3915.4	3057.9	2861.7	2887.8	2924.2	2928.5
4251.1	47.5°	5393.4	6877.3	7063.4	5309.1	3390.7	2774.5	2722.2	2728.0	2720.7	2690.2
4514.2	50°	5876.0	7339.5	7136.0	4864.4	2944.5	2597.2	2527.4	2507.1	2406.8	2307.9
4864.4	52.5°	6425.3	7763.9	7166.5	4312.1	2597.2	2448.9	2335.6	2207.7	2020.2	1989.7
5304.8	55°	7035.7	8156.3	7088.1	3633.4	2305.0	2258.5	2087.0	1933.0	1912.6	1886.5
5884.7	57.5°	7765.3	8579.2	6928.2	2876.2	2005.6	2036.2	1869.0	1886.5	1850.1	1809.4
6630.3	60°	8563.2	9016.7	6647.7	2185.9	1696.1	1758.6	1812.3	1810.9	1800.7	1767.3
7416.5	62.5°	9281.2	9304.4	6095.4	1674.3	1424.3	1543.5	1690.3	1688.8	1680.1	1661.2
8237.7	65°	9708.5	9260.8	5174.0	1318.2	1200.5	1366.2	1524.6	1536.2	1537.7	1536.2
8855.4	67.5°	9632.9	8750.7	3909.6	1049.3	1015.9	1185.9	1360.3	1376.3	1388.0	1390.9
8933.8	70°	8778.3	7630.2	2549.2	837.1	851.7	1027.5	1204.8	1220.8	1231.0	1242.6
7752.2	72.5°	6842.4	5610.0	1459.2	677.3	707.8	890.9	1050.8	1069.7	1075.5	1097.3
5394.9	75°	4169.7	3299.1	787.7	533.4	581.3	761.6	898.2	920.0	930.2	956.3
2649.5	77.5°	1982.4	1428.7	449.1	415.7	468.0	622.0	758.7	783.4	755.7	770.3
731.0	80°	670.0	530.5	283.4	316.8	357.5	485.4	607.5	632.2	574.1	571.2
242.7	82.5°	234.0	215.1	180.2	210.7	231.1	347.4	459.3	491.2	427.3	425.8
109.0	85°	91.6	87.2	100.3	114.8	138.1	213.6	302.3	318.3	263.1	212.2
32.0	87.5°	18.9	20.3	24.7	26.2	42.1	74.1	109.0	133.7	106.1	90.1
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°
3133.5
3251.2
3422.7
3620.3
3845.6
4102.8
4419.7
4764.1
4951.6
4854.2
4592.6
4326.7
4094.1
3871.8
3632.0
3376.2
3149.4
3097.1
2957.6
2713.4
2321.0
1999.8
1890.8
1802.2
1755.7
1653.9
1536.2
1393.8
1248.4
1106.0
959.2
758.7
565.4
405.5
209.3
82.8
0.0

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