

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: P848163

Luminaire Tested: **GLAN-SB4C-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848163
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 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: 24634 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

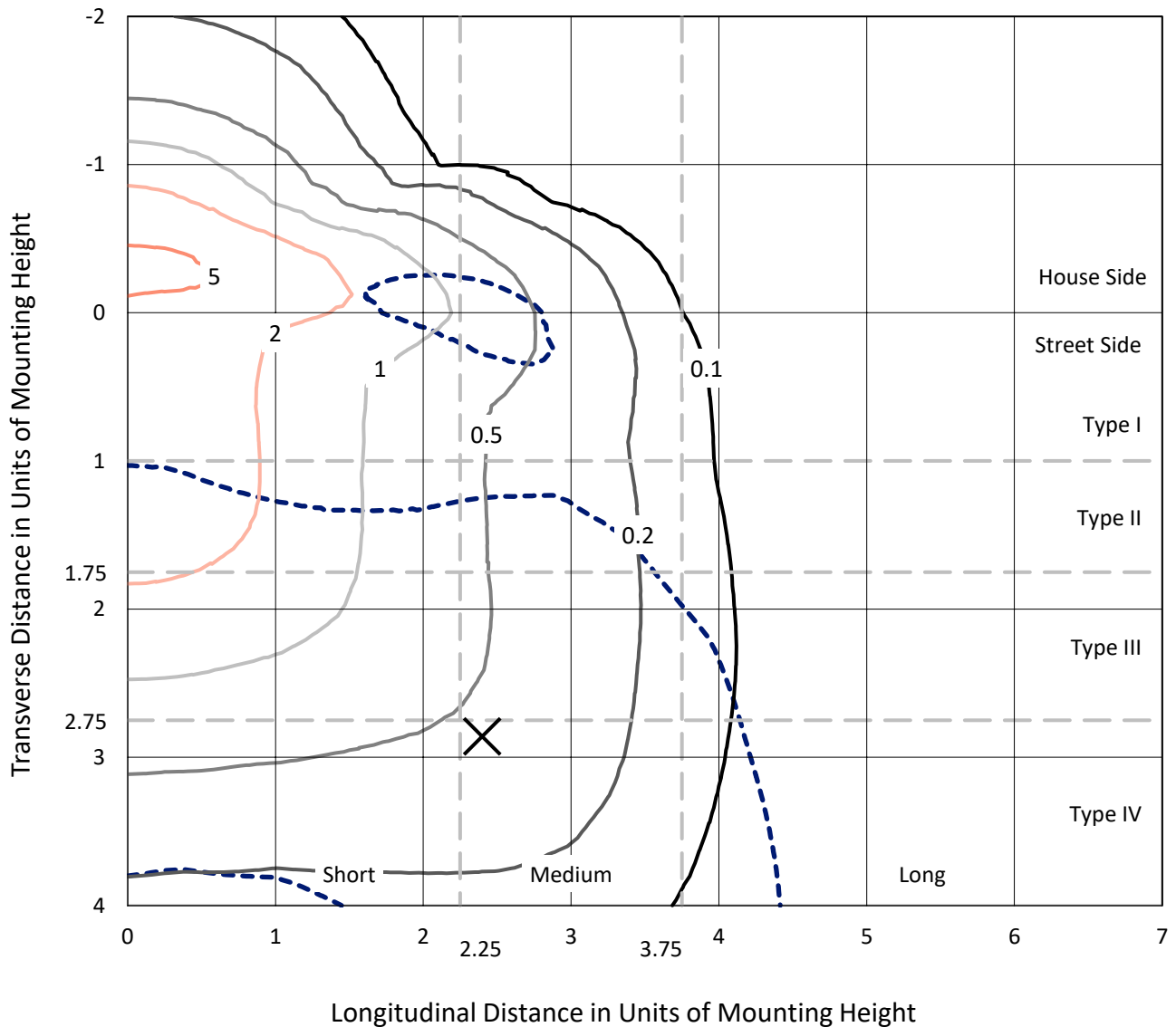
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

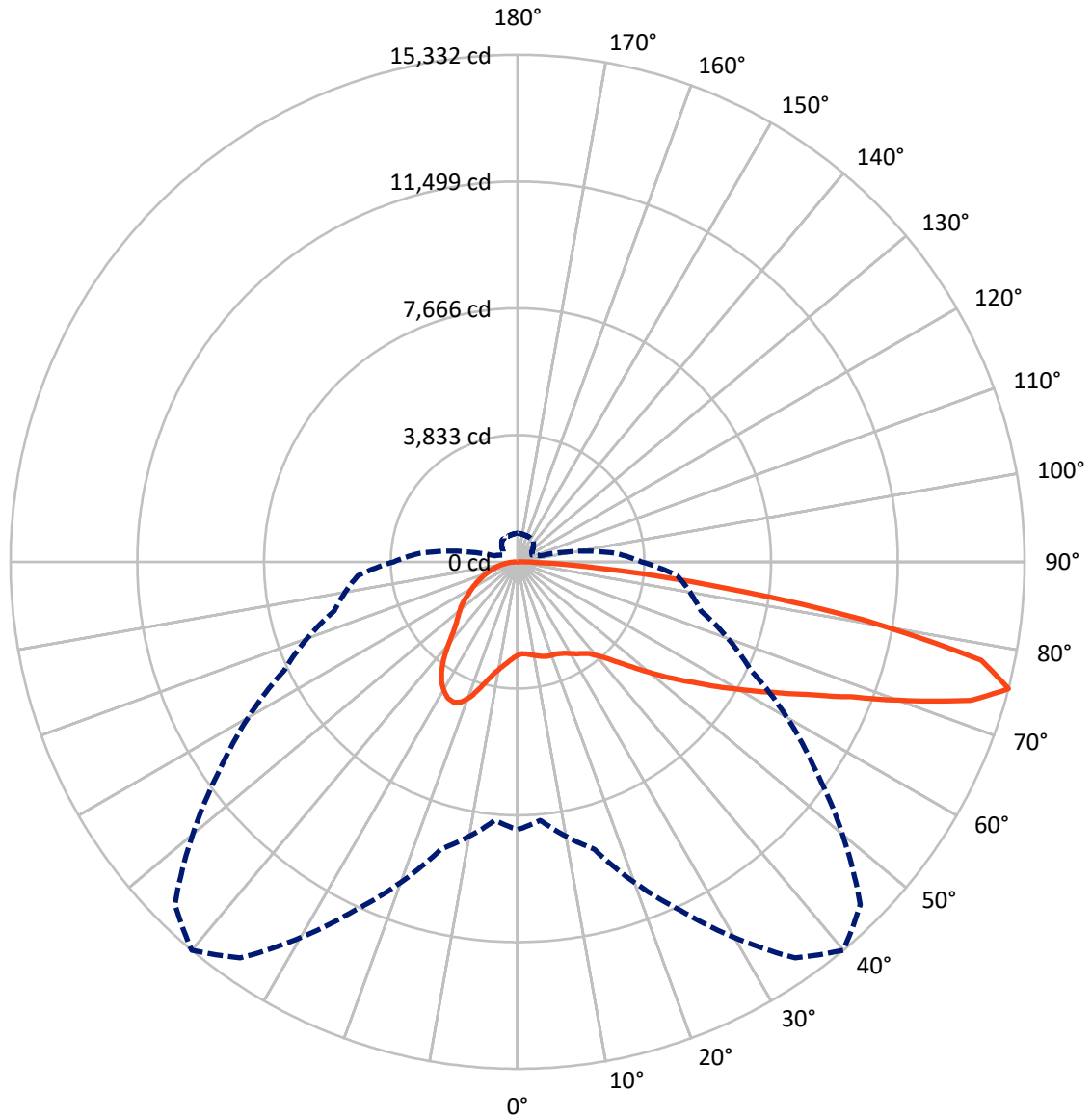
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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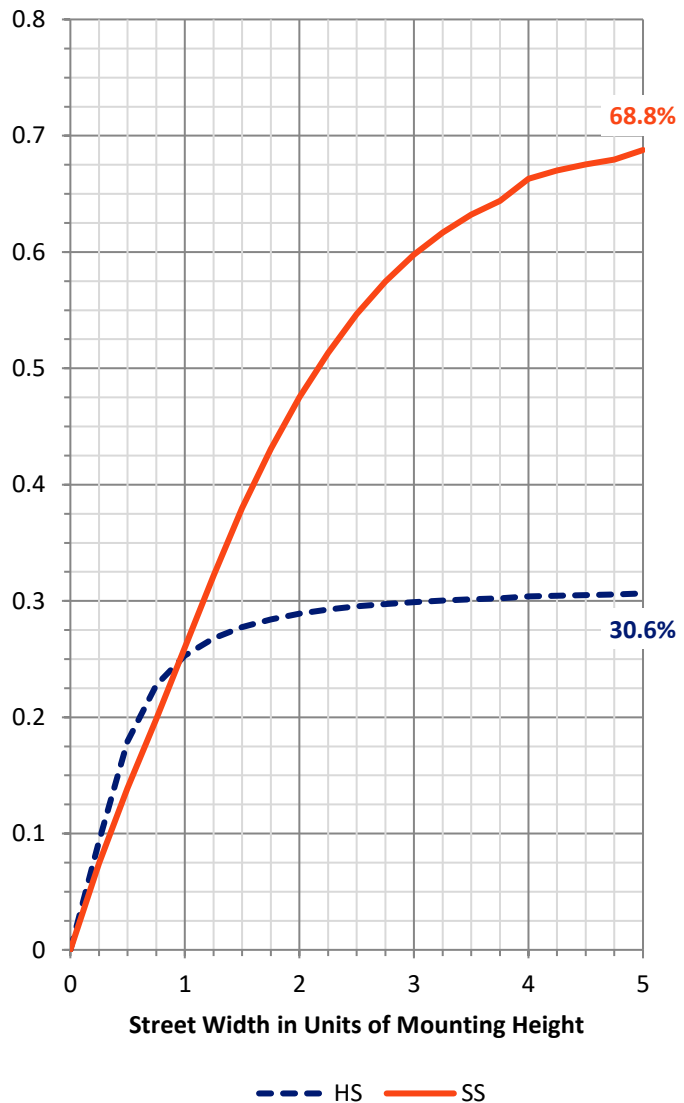
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7632.4	0.0	7632.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17001.6	0.0	17001.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	24634.0	0.0	24634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.2	1.1
10°-20°	944.1	3.8
20°-30°	1723.8	7.0
30°-40°	2444.8	9.9
40°-50°	3301.2	13.4
50°-60°	4441.0	18.0
60°-70°	5636.7	22.9
70°-80°	5115.6	20.8
80°-90°	745.7	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°	24634.0	100.0
0°-180°	24634.0	100.0

Coefficient of Utilization

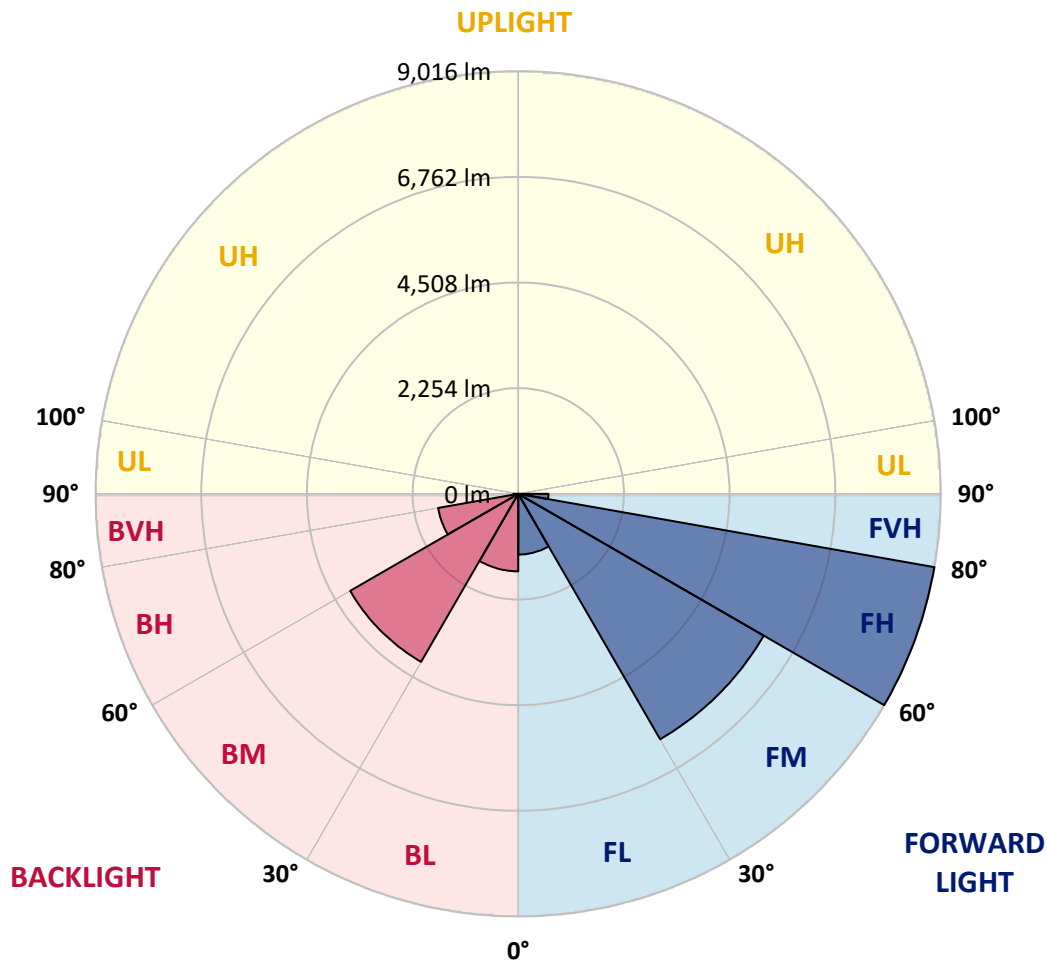


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.8	5.3			
FM (30°-60°)	6047.1	24.5			
FH (60°-80°)	9015.7	36.6			G4/12000
FVH (80°-90°)	643.0	2.6			G4/750
BL (0°-30°)	1653.3	6.7	B3/2500		
BM (30°-60°)	4139.9	16.8	B3/5000		
BH (60°-80°)	1736.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	102.7	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°	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9
2.5°	2773.8	2789.5	2785.6	2780.3	2780.3	2781.7	2780.3	2789.5	2798.6	2807.8
5°	2802.6	2818.2	2810.4	2803.9	2798.6	2797.3	2793.4	2792.1	2797.3	2809.1
7.5°	2858.7	2874.4	2862.7	2850.9	2840.4	2835.2	2830.0	2822.2	2818.2	2824.8
10°	2921.5	2937.1	2922.8	2901.9	2884.9	2878.3	2873.1	2865.3	2860.0	2864.0
12.5°	2984.2	2999.8	2980.2	2951.5	2929.3	2925.4	2918.8	2916.2	2914.9	2913.6
15°	3043.0	3056.0	3031.2	2997.2	2973.7	2967.2	2960.7	2964.6	2971.1	2978.9
17.5°	3088.7	3101.8	3065.2	3020.8	2998.5	2995.9	2992.0	3005.1	3023.4	3043.0
20°	3130.5	3143.6	3096.5	3036.4	3010.3	3010.3	3011.6	3039.0	3065.2	3093.9
22.5°	3189.3	3199.8	3142.3	3059.9	3022.1	3024.7	3035.1	3062.6	3095.2	3134.4
25°	3276.8	3284.7	3214.1	3104.4	3061.3	3069.1	3078.2	3091.3	3122.7	3168.4
27.5°	3417.9	3424.5	3331.7	3182.8	3117.4	3130.5	3143.6	3134.4	3148.8	3188.0
30°	3616.5	3620.5	3502.9	3305.6	3212.8	3219.3	3222.0	3184.1	3156.6	3188.0
32.5°	3851.7	3850.4	3710.6	3454.5	3321.3	3314.7	3292.5	3218.0	3154.0	3181.5
35°	4216.3	4201.9	4021.6	3663.6	3444.1	3403.6	3351.3	3255.9	3167.1	3174.9
37.5°	4819.9	4775.5	4525.9	4005.9	3627.0	3523.8	3446.7	3317.3	3195.8	3172.3
40°	5500.6	5444.4	5170.0	4474.9	3901.4	3735.4	3611.3	3404.9	3242.9	3184.1
42.5°	6308.0	6228.3	5933.1	5027.6	4248.9	4008.5	3821.7	3515.9	3312.1	3222.0
45°	7299.7	7193.9	6775.8	5650.8	4686.6	4366.5	4117.0	3684.5	3417.9	3295.1
47.5°	8301.8	8328.0	7733.5	6364.2	5211.8	4808.1	4486.7	3938.0	3572.1	3412.7
50°	9366.7	9385.0	8686.0	7154.7	5807.6	5307.2	4902.2	4221.5	3786.4	3580.0
52.5°	10197.7	10200.3	9550.9	7981.7	6428.2	5856.0	5350.3	4545.5	4034.6	3802.1
55°	10717.7	10711.1	10157.2	8764.4	7141.6	6432.2	5846.8	4914.0	4337.8	4063.4
57.5°	11095.3	11075.7	10575.2	9437.2	7902.0	7112.9	6408.6	5332.0	4695.8	4374.3
60°	11239.0	11227.2	10858.8	10018.7	8701.7	7865.5	7056.7	5799.8	5102.1	4741.5
62.5°	11293.9	11316.1	11137.1	10581.8	9557.4	8699.0	7768.8	6359.0	5559.4	5157.0
65°	11487.2	11527.7	11491.1	11318.7	10524.3	9675.0	8713.4	7024.0	6058.5	5602.5
67.5°	11870.0	11910.5	11926.2	12200.6	11705.4	10891.4	9891.9	7852.4	6642.5	6065.0
70°	11860.9	11849.1	12126.1	12902.2	13184.4	12575.6	11480.7	8871.5	7338.9	6449.2
72.5°	10796.1	10702.0	11356.6	12894.4	14415.2	14334.2	13420.9	10185.9	7939.9	6496.2
75°	8099.3	7848.5	9004.8	11620.5	14620.3	15332.4	14654.3	11001.2	7797.5	5739.7
77.5°	3463.7	3211.5	4574.2	8602.4	13085.1	14332.9	13522.8	9597.9	6224.4	3795.5
80°	906.7	905.4	1382.3	3900.1	8898.9	10584.4	9285.7	6198.3	3556.4	1356.2
82.5°	375.0	365.8	508.2	1516.9	4348.2	5939.6	4847.3	2764.7	1284.3	367.1
85°	139.8	138.5	246.9	523.9	1533.9	2449.8	1773.0	706.8	320.1	179.0
87.5°	39.2	37.9	53.6	181.6	373.7	567.0	303.1	116.3	90.2	70.6
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°
2816.9	0°	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9	2816.9
2822.2	2.5°	2826.1	2832.6	2844.4	2853.5	2865.3	2878.3	2896.6	2908.4	2920.1	2928.0
2828.7	5°	2837.8	2852.2	2882.3	2912.3	2947.6	2980.2	3018.1	3045.6	3067.8	3074.3
2852.2	7.5°	2864.0	2887.5	2938.4	2989.4	3045.6	3099.1	3154.0	3201.1	3238.9	3253.3
2894.0	10°	2909.7	2941.1	3012.9	3084.8	3159.2	3241.6	3312.1	3380.1	3433.6	3455.8
2943.7	12.5°	2967.2	3006.4	3100.5	3199.8	3303.0	3416.6	3508.1	3591.7	3658.4	3688.4
3012.9	15°	3041.7	3092.6	3212.8	3346.1	3497.6	3655.7	3772.0	3864.8	3939.3	3975.8
3084.8	17.5°	3122.7	3190.6	3342.2	3543.4	3760.3	3968.0	4103.9	4171.8	4248.9	4284.2
3151.4	20°	3201.1	3284.7	3501.6	3794.2	4083.0	4303.8	4413.5	4431.8	4437.1	4441.0
3214.1	22.5°	3282.1	3394.4	3701.5	4110.4	4420.1	4572.9	4588.6	4510.2	4400.5	4349.5
3275.5	25°	3370.9	3519.9	3962.8	4459.3	4710.1	4728.4	4608.2	4417.5	4209.7	4114.3
3325.2	27.5°	3457.1	3664.9	4276.4	4792.4	4919.2	4758.5	4499.8	4229.3	3978.5	3877.9
3360.5	30°	3543.4	3830.8	4622.6	5083.8	5014.6	4684.0	4328.6	4026.8	3774.6	3668.8
3391.8	32.5°	3630.9	4024.2	5021.1	5294.2	4997.6	4525.9	4115.6	3799.5	3577.3	3466.3
3419.3	35°	3730.2	4262.0	5398.7	5409.1	4883.9	4293.3	3834.7	3527.7	3334.3	3245.5
3451.9	37.5°	3859.6	4563.8	5731.9	5437.9	4685.3	3952.3	3485.9	3206.3	3046.9	3006.4
3500.3	40°	4020.3	4927.0	5986.6	5392.1	4391.3	3538.1	3104.4	2881.0	2790.8	2799.9
3565.6	42.5°	4229.3	5333.4	6165.6	5274.6	3982.4	3110.9	2769.9	2670.6	2713.7	2750.3
3663.6	45°	4501.1	5755.4	6276.7	5074.7	3519.9	2749.0	2572.6	2596.1	2628.8	2632.7
3821.7	47.5°	4848.6	6182.6	6349.9	4772.8	3048.2	2494.2	2447.2	2452.4	2445.9	2418.4
4058.2	50°	5282.4	6598.1	6415.2	4373.0	2647.1	2334.8	2272.1	2253.8	2163.7	2074.8
4373.0	52.5°	5776.3	6979.6	6442.6	3876.5	2334.8	2201.5	2099.6	1984.7	1816.1	1788.7
4768.9	55°	6325.0	7332.4	6372.1	3266.4	2072.2	2030.4	1876.2	1737.7	1719.4	1695.9
5290.2	57.5°	6980.9	7712.6	6228.3	2585.7	1803.0	1830.5	1680.2	1695.9	1663.2	1626.7
5960.5	60°	7698.2	8105.9	5976.2	1965.1	1524.7	1580.9	1629.3	1628.0	1618.8	1588.8
6667.3	62.5°	8343.7	8364.6	5479.7	1505.2	1280.4	1387.6	1519.5	1518.2	1510.4	1493.4
7405.5	65°	8727.8	8325.4	4651.3	1185.0	1079.2	1228.2	1370.6	1381.0	1382.3	1381.0
7960.8	67.5°	8659.8	7866.8	3514.6	943.3	913.3	1066.1	1222.9	1237.3	1247.8	1250.4
8031.4	70°	7891.6	6859.4	2291.7	752.6	765.6	923.7	1083.1	1097.5	1106.7	1117.1
6969.2	72.5°	6151.3	5043.3	1311.8	608.9	636.3	800.9	944.6	961.6	966.9	986.4
4849.9	75°	3748.5	2965.9	708.2	479.5	522.6	684.6	807.5	827.0	836.2	859.7
2381.8	77.5°	1782.1	1284.3	403.7	373.7	420.7	559.2	682.0	704.2	679.4	692.5
657.2	80°	602.3	476.9	254.8	284.8	321.4	436.4	546.1	568.4	516.1	513.5
218.2	82.5°	210.4	193.4	162.0	189.5	207.7	312.3	412.9	441.6	384.1	382.8
98.0	85°	82.3	78.4	90.2	103.2	124.1	192.1	271.8	286.1	236.5	190.8
28.7	87.5°	17.0	18.3	22.2	23.5	37.9	66.6	98.0	120.2	95.4	81.0
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°
2816.9
2922.8
3076.9
3254.6
3457.1
3688.4
3973.2
4282.9
4451.4
4363.9
4128.7
3889.6
3680.6
3480.7
3265.1
3035.1
2831.3
2784.3
2658.8
2439.3
2086.6
1797.8
1699.8
1620.1
1578.3
1486.9
1381.0
1253.0
1122.3
994.3
862.3
682.0
508.2
364.5
188.1
74.5
0.0

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