

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: P850063

Luminaire Tested: **GLAN-SB7B-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850063  
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-SB7B-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 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: 25564 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

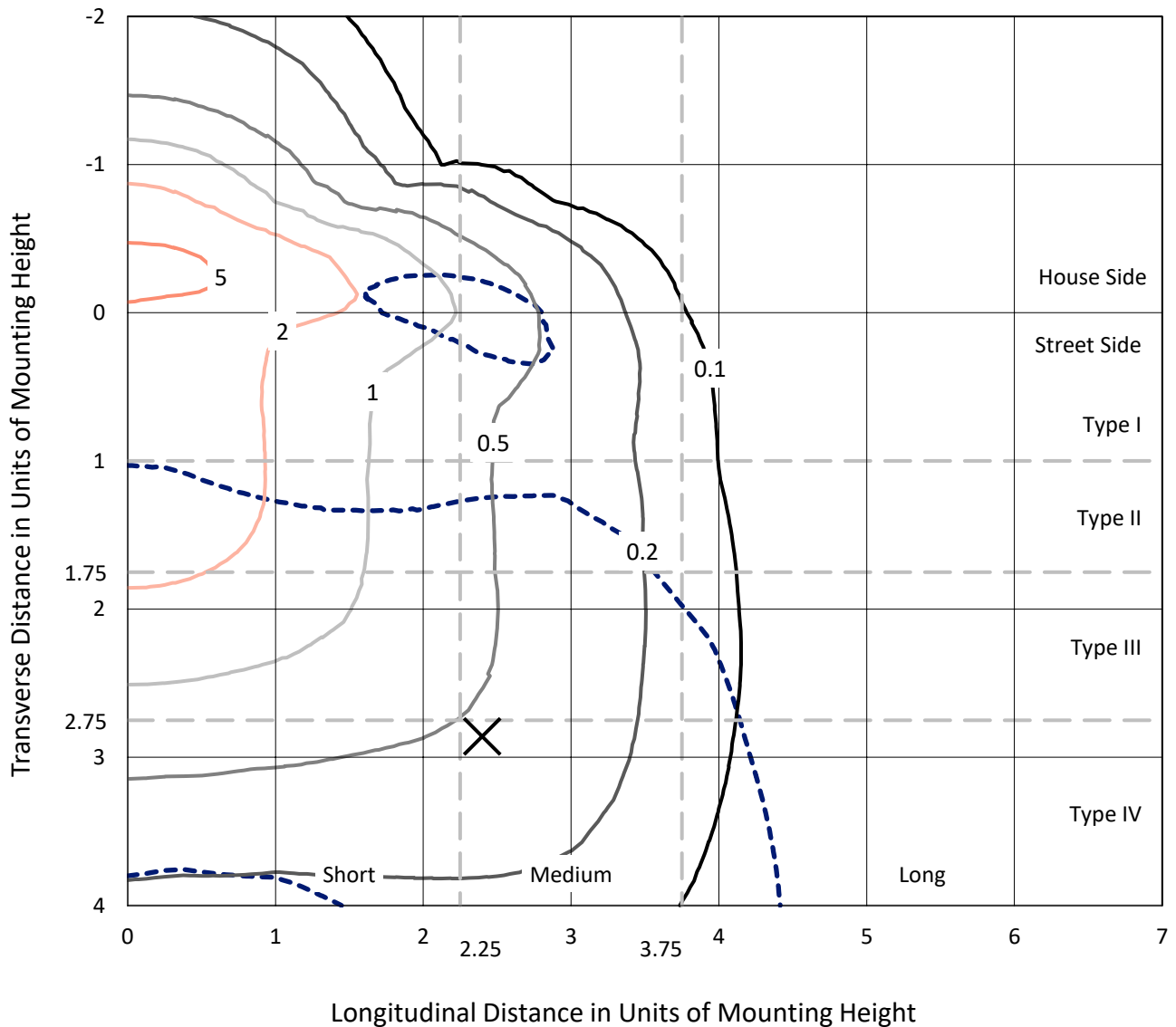
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

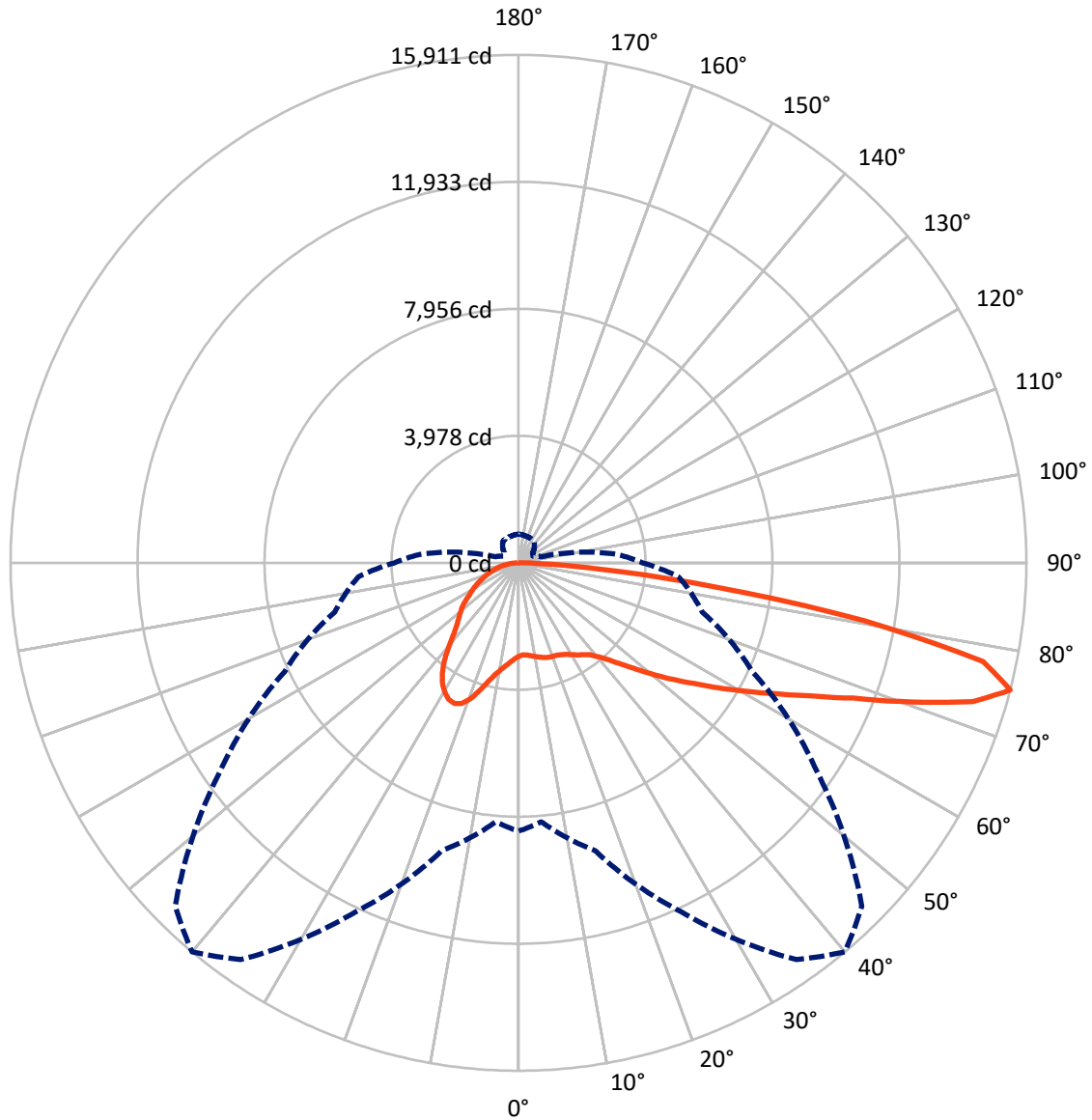
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	7920.6	0.0	7920.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17643.4	0.0	17643.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	25564.0	0.0	25564.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.8	1.1
10°-20°	979.7	3.8
20°-30°	1788.9	7.0
30°-40°	2537.1	9.9
40°-50°	3425.8	13.4
50°-60°	4608.7	18.0
60°-70°	5849.5	22.9
70°-80°	5308.7	20.8
80°-90°	773.8	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°	25564.0	100.0
0°-180°	25564.0	100.0

**Coefficient of Utilization**

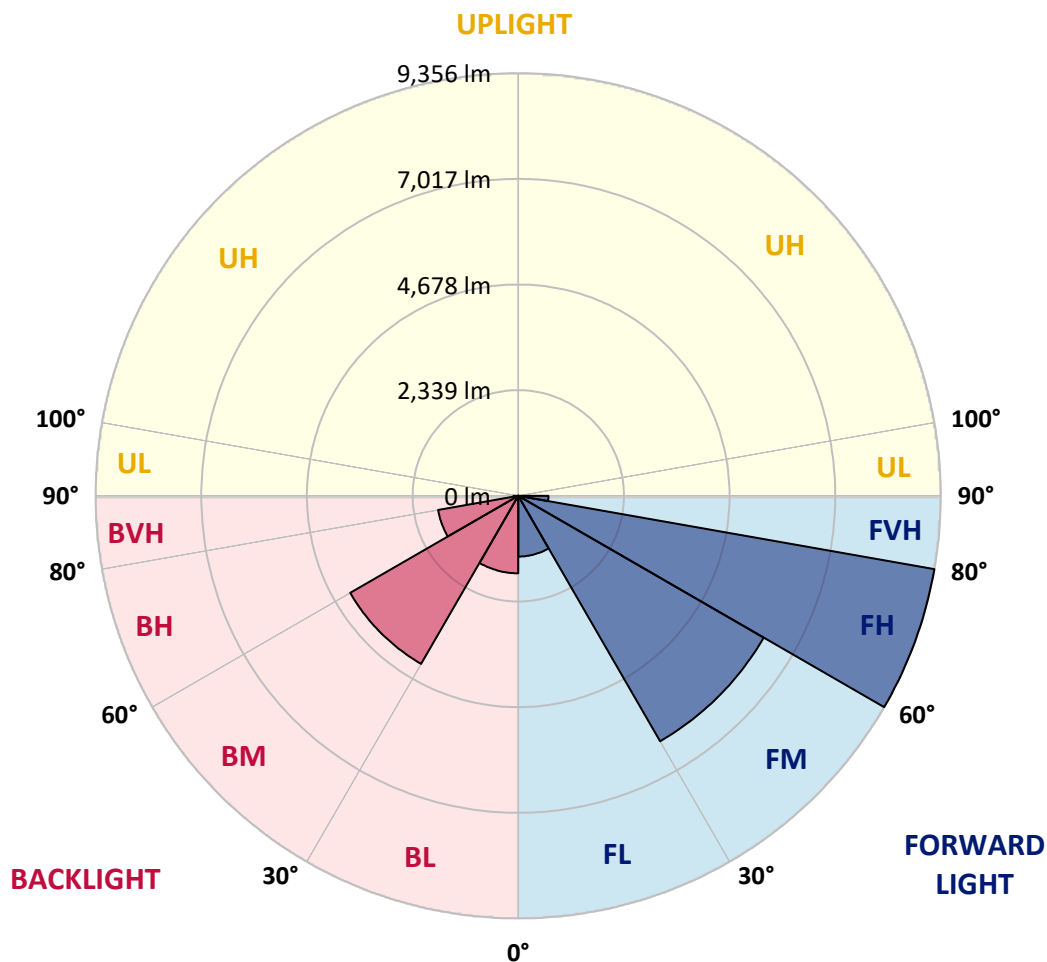


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.7	5.3			
FM (30°-60°)	6275.4	24.5			
FH (60°-80°)	9356.0	36.6			G4/12000
FVH (80°-90°)	667.3	2.6			G4/750
BL (0°-30°)	1715.7	6.7	B3/2500		
BM (30°-60°)	4296.2	16.8	B3/5000		
BH (60°-80°)	1802.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	106.5	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°	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3
2.5°	2878.5	2894.8	2890.7	2885.3	2885.3	2886.7	2885.3	2894.8	2904.3	2913.8
5°	2908.4	2924.6	2916.5	2909.7	2904.3	2902.9	2898.9	2897.5	2902.9	2915.1
7.5°	2966.7	2982.9	2970.7	2958.5	2947.7	2942.3	2936.8	2928.7	2924.6	2931.4
10°	3031.7	3048.0	3033.1	3011.4	2993.8	2987.0	2981.6	2973.4	2968.0	2972.1
12.5°	3096.8	3113.1	3092.8	3062.9	3039.9	3035.8	3029.0	3026.3	3025.0	3023.6
15°	3157.8	3171.4	3145.6	3110.4	3086.0	3079.2	3072.4	3076.5	3083.3	3091.4
17.5°	3205.3	3218.9	3180.9	3134.8	3111.7	3109.0	3105.0	3118.5	3137.5	3157.8
20°	3248.7	3262.2	3213.4	3151.1	3123.9	3123.9	3125.3	3153.8	3180.9	3210.7
22.5°	3309.7	3320.6	3260.9	3175.5	3136.2	3138.9	3149.7	3178.2	3212.1	3252.8
25°	3400.5	3408.7	3335.5	3221.6	3176.8	3185.0	3194.5	3208.0	3240.6	3288.0
27.5°	3547.0	3553.8	3457.5	3302.9	3235.1	3248.7	3262.2	3252.8	3267.7	3308.3
30°	3753.1	3757.1	3635.1	3430.4	3334.1	3340.9	3343.6	3304.3	3275.8	3308.3
32.5°	3997.1	3995.8	3850.7	3584.9	3446.6	3439.9	3416.8	3339.5	3273.1	3301.6
35°	4375.4	4360.5	4173.4	3801.9	3574.1	3532.1	3477.8	3378.9	3286.7	3294.8
37.5°	5001.8	4955.7	4696.8	4157.1	3763.9	3656.8	3576.8	3442.6	3316.5	3292.1
40°	5708.3	5650.0	5365.2	4643.9	4048.7	3876.5	3747.7	3533.4	3365.3	3304.3
42.5°	6546.2	6463.5	6157.1	5217.4	4409.3	4159.8	3965.9	3648.7	3437.2	3343.6
45°	7575.3	7465.5	7031.6	5864.2	4863.5	4531.4	4272.4	3823.6	3547.0	3419.5
47.5°	8615.3	8642.4	8025.5	6604.5	5408.6	4989.6	4656.1	4086.6	3707.0	3541.6
50°	9720.3	9739.3	9013.9	7424.8	6026.9	5507.6	5087.3	4380.8	3929.3	3715.1
52.5°	10582.6	10585.4	9911.5	8283.1	6670.9	6077.1	5552.3	4717.1	4187.0	3945.6
55°	11122.3	11115.5	10540.6	9095.2	7411.2	6675.0	6067.6	5099.5	4501.5	4216.8
57.5°	11514.1	11493.8	10974.5	9793.5	8200.4	7381.4	6650.6	5533.3	4873.0	4539.5
60°	11663.3	11651.1	11268.7	10396.9	9030.2	8162.4	7323.1	6018.8	5294.7	4920.5
62.5°	11720.2	11743.3	11557.5	10981.3	9918.3	9027.4	8062.1	6599.1	5769.3	5351.7
65°	11920.9	11962.9	11925.0	11746.0	10921.6	10040.3	9042.4	7289.2	6287.2	5814.0
67.5°	12318.2	12360.2	12376.5	12661.2	12147.3	11302.6	10265.4	8148.8	6893.3	6294.0
70°	12308.7	12296.5	12583.9	13389.3	13682.2	13050.3	11914.1	9206.4	7616.0	6692.6
72.5°	11203.6	11106.0	11785.3	13381.2	14959.4	14875.4	13927.6	10570.4	8239.7	6741.4
75°	8405.1	8144.8	9344.7	12059.2	15172.3	15911.3	15207.6	11416.5	8091.9	5956.4
77.5°	3594.4	3332.8	4746.9	8927.1	13579.1	14874.0	14033.4	9960.3	6459.4	3938.8
80°	941.0	939.6	1434.5	4047.3	9234.9	10984.0	9636.2	6432.3	3690.7	1407.4
82.5°	389.1	379.6	527.4	1574.2	4512.4	6163.8	5030.3	2869.0	1332.8	381.0
85°	145.1	143.7	256.3	543.7	1591.8	2542.3	1839.9	733.5	332.2	185.8
87.5°	40.7	39.3	55.6	188.5	387.8	588.5	314.6	120.7	93.6	73.2
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°
2923.3	0°	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3	2923.3
2928.7	2.5°	2932.8	2939.5	2951.8	2961.2	2973.4	2987.0	3006.0	3018.2	3030.4	3038.5
2935.5	5°	2945.0	2959.9	2991.1	3022.3	3058.9	3092.8	3132.1	3160.6	3183.6	3190.4
2959.9	7.5°	2972.1	2996.5	3049.4	3102.3	3160.6	3216.1	3273.1	3321.9	3361.2	3376.1
3003.3	10°	3019.5	3052.1	3126.7	3201.2	3278.5	3363.9	3437.2	3507.7	3563.3	3586.3
3054.8	12.5°	3079.2	3119.9	3217.5	3320.6	3427.7	3545.6	3640.5	3727.3	3796.5	3827.6
3126.7	15°	3156.5	3209.4	3334.1	3472.4	3629.7	3793.8	3914.4	4010.7	4088.0	4125.9
3201.2	17.5°	3240.6	3311.1	3468.3	3677.1	3902.2	4117.8	4258.8	4329.3	4409.3	4445.9
3270.4	20°	3321.9	3408.7	3633.8	3937.5	4237.1	4466.3	4580.2	4599.1	4604.6	4608.6
3335.5	22.5°	3406.0	3522.6	3841.2	4265.6	4586.9	4745.6	4761.9	4680.5	4566.6	4513.7
3399.2	25°	3498.2	3652.7	4112.4	4627.6	4887.9	4906.9	4782.2	4584.2	4368.6	4269.7
3450.7	27.5°	3587.7	3803.2	4437.8	4973.4	5104.9	4938.1	4669.7	4389.0	4128.7	4024.3
3487.3	30°	3677.1	3975.4	4797.1	5275.7	5203.9	4860.8	4492.0	4178.8	3917.1	3807.3
3519.9	32.5°	3768.0	4176.1	5210.6	5494.0	5186.2	4696.8	4271.0	3942.9	3712.4	3597.1
3548.3	35°	3871.0	4422.9	5602.5	5613.3	5068.3	4455.4	3979.5	3660.9	3460.2	3368.0
3582.2	37.5°	4005.3	4736.1	5948.2	5643.2	4862.2	4101.5	3617.5	3327.3	3161.9	3119.9
3632.4	40°	4172.0	5113.0	6212.6	5595.7	4557.1	3671.7	3221.6	2989.7	2896.2	2905.7
3700.2	42.5°	4389.0	5534.7	6398.4	5473.7	4132.7	3228.4	2874.5	2771.4	2816.2	2854.1
3801.9	45°	4671.0	5972.7	6513.6	5266.2	3652.7	2852.8	2669.7	2694.1	2728.0	2732.1
3965.9	47.5°	5031.7	6416.0	6589.6	4953.0	3163.3	2588.4	2539.6	2545.0	2538.2	2509.7
4211.4	50°	5481.8	6847.2	6657.4	4538.1	2747.0	2423.0	2357.9	2338.9	2245.3	2153.1
4538.1	52.5°	5994.3	7243.1	6685.8	4022.9	2423.0	2284.7	2178.9	2059.6	1884.7	1856.2
4949.0	55°	6563.8	7609.2	6612.6	3389.7	2150.4	2107.0	1947.0	1803.3	1784.3	1759.9
5490.0	57.5°	7244.5	8003.8	6463.5	2683.3	1871.1	1899.6	1743.7	1759.9	1726.0	1688.1
6185.5	60°	7988.8	8411.9	6201.8	2039.2	1582.3	1640.6	1690.8	1689.4	1679.9	1648.8
6919.1	62.5°	8658.7	8680.3	5686.6	1562.0	1328.8	1439.9	1576.9	1575.5	1567.4	1549.8
7685.1	65°	9057.3	8639.7	4826.9	1229.8	1120.0	1274.5	1422.3	1433.2	1434.5	1433.2
8261.4	67.5°	8986.8	8163.8	3647.3	978.9	947.8	1106.4	1269.1	1284.0	1294.9	1297.6
8334.6	70°	8189.5	7118.4	2378.2	781.0	794.5	958.6	1124.0	1138.9	1148.4	1159.3
7232.3	72.5°	6383.5	5233.7	1361.3	631.8	660.3	831.2	980.3	997.9	1003.4	1023.7
5033.0	75°	3890.0	3077.8	734.9	497.6	542.4	710.5	837.9	858.3	867.8	892.2
2471.8	77.5°	1849.4	1332.8	419.0	387.8	436.6	580.3	707.8	730.8	705.1	718.6
682.0	80°	625.1	494.9	264.4	295.6	333.5	452.9	566.8	589.8	535.6	532.9
226.4	82.5°	218.3	200.7	168.1	196.6	215.6	324.1	428.5	458.3	398.6	397.3
101.7	85°	85.4	81.4	93.6	107.1	128.8	199.3	282.0	296.9	245.4	198.0
29.8	87.5°	17.6	19.0	23.0	24.4	39.3	69.1	101.7	124.7	99.0	84.1
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°
2923.3
3033.1
3193.1
3377.5
3587.7
3827.6
4123.2
4444.6
4619.5
4528.6
4284.6
4036.5
3819.5
3612.1
3388.3
3149.7
2938.2
2889.4
2759.2
2531.4
2165.3
1865.7
1764.0
1681.3
1637.9
1543.0
1433.2
1300.3
1164.7
1031.8
894.9
707.8
527.4
378.3
195.2
77.3
0.0

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