

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: P850743

Luminaire Tested: **GLAN-SB8B-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850743  
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-SB8B-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 29067 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

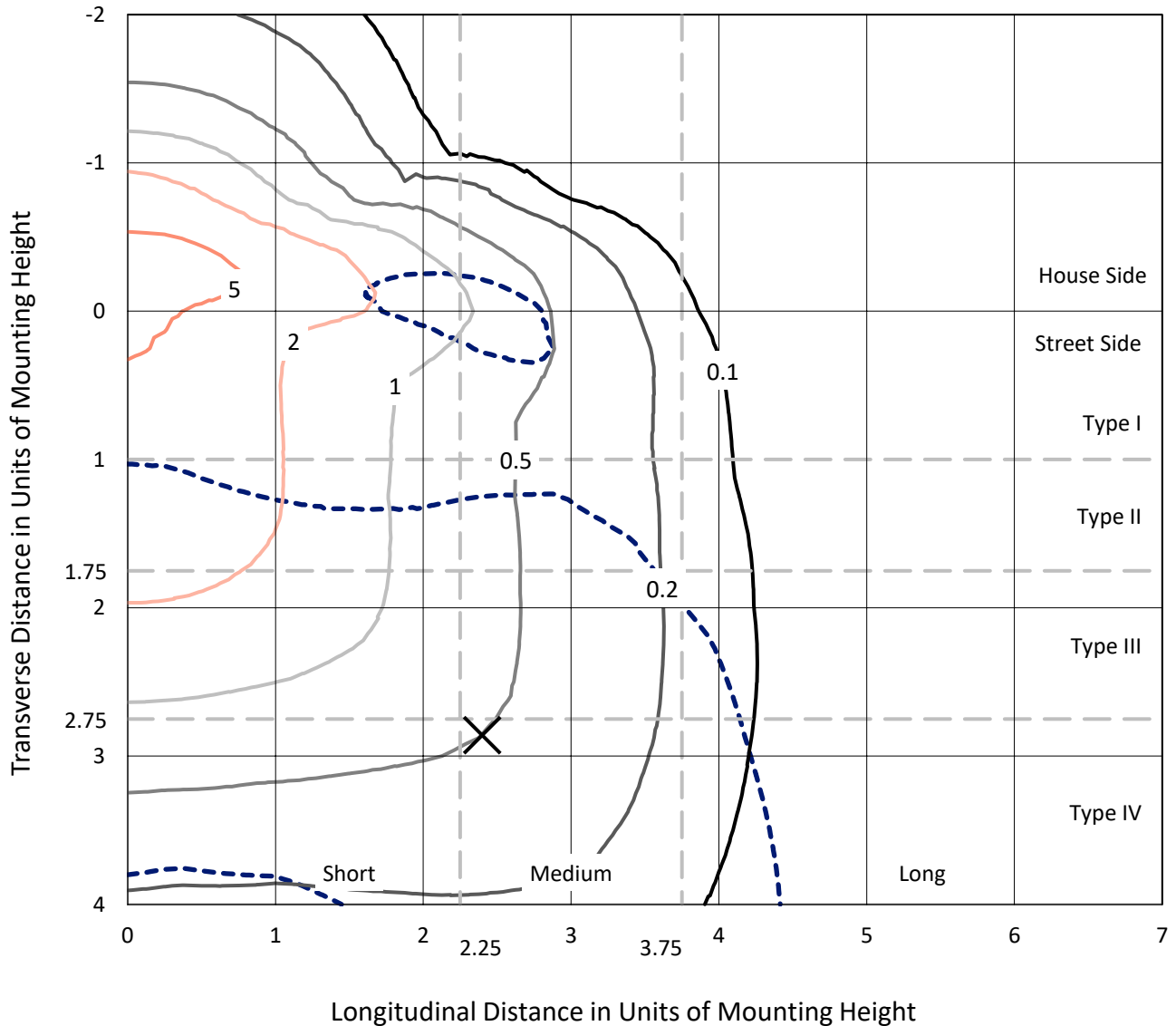
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

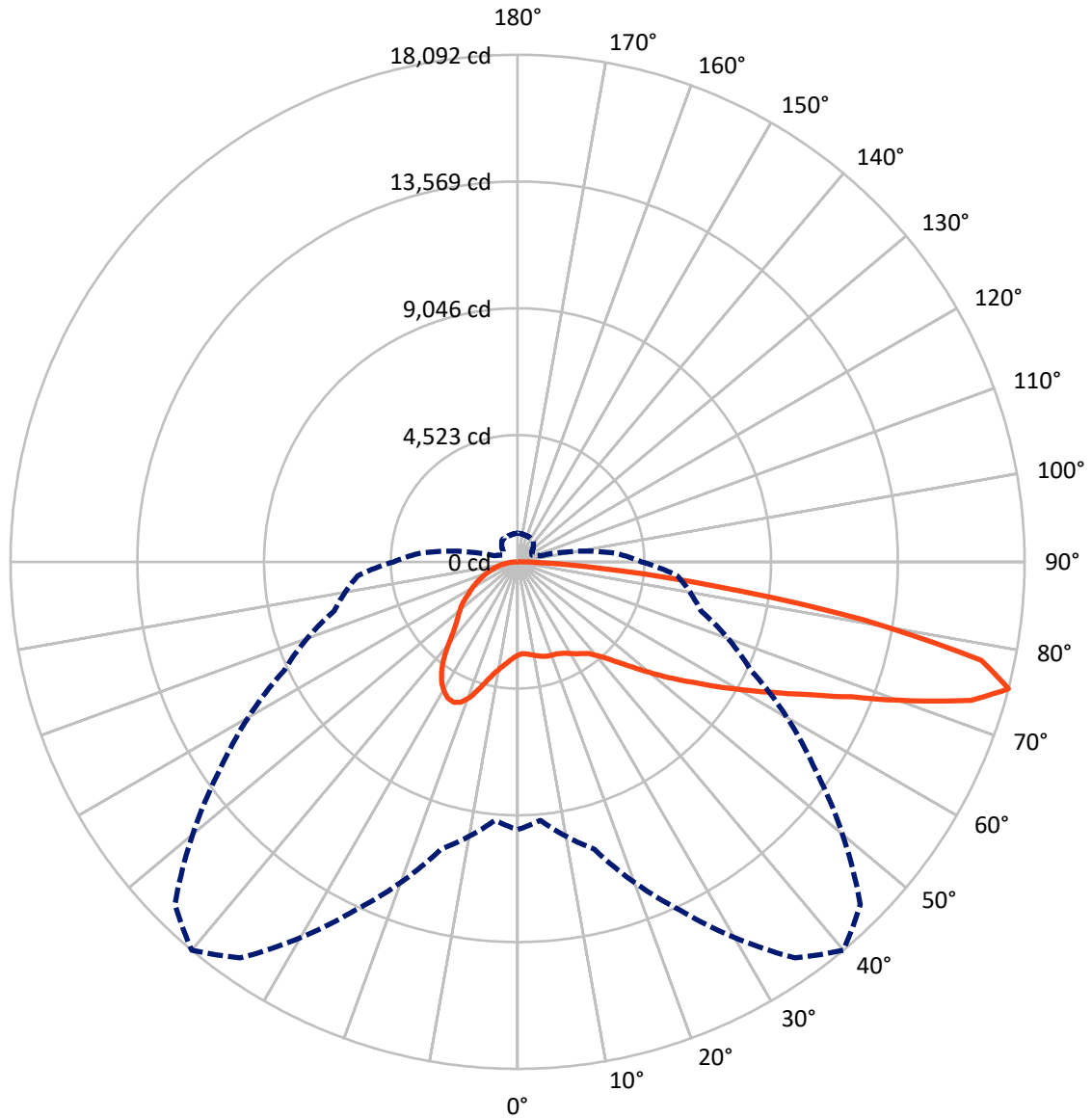
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	9005.9	0.0	9005.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	20061.1	0.0	20061.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	29067.0	0.0	29067.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.8	1.1
10°-20°	1114.0	3.8
20°-30°	2034.0	7.0
30°-40°	2884.7	9.9
40°-50°	3895.3	13.4
50°-60°	5240.2	18.0
60°-70°	6651.0	22.9
70°-80°	6036.2	20.8
80°-90°	879.9	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°	29067.0	100.0
0°-180°	29067.0	100.0

**Coefficient of Utilization**

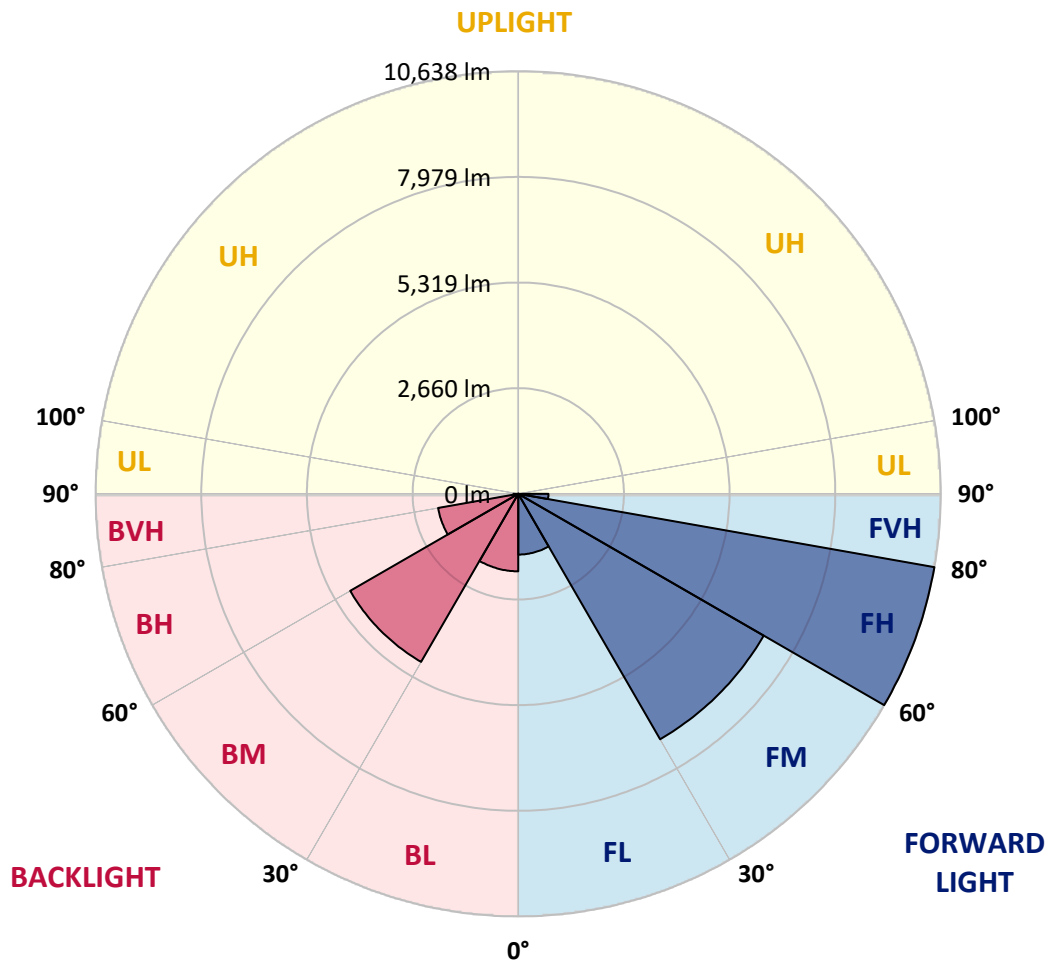


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1529.0	5.3			
FM (30°-60°)	7135.3	24.5			
FH (60°-80°)	10638.1	36.6			G4/12000
FVH (80°-90°)	758.7	2.6			G5
BL (0°-30°)	1950.8	6.7	B3/2500		
BM (30°-60°)	4884.9	16.8	B3/5000		
BH (60°-80°)	2049.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	121.1	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°	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9
2.5°	3273.0	3291.5	3286.8	3280.7	3280.7	3282.2	3280.7	3291.5	3302.3	3313.1
5°	3306.9	3325.4	3316.1	3308.4	3302.3	3300.7	3296.1	3294.6	3300.7	3314.6
7.5°	3373.2	3391.7	3377.8	3363.9	3351.6	3345.4	3339.3	3330.0	3325.4	3333.1
10°	3447.2	3465.7	3448.7	3424.1	3404.0	3396.3	3390.1	3380.9	3374.7	3379.4
12.5°	3521.2	3539.7	3516.6	3482.6	3456.4	3451.8	3444.1	3441.0	3439.5	3437.9
15°	3590.6	3606.0	3576.7	3536.6	3508.9	3501.1	3493.4	3498.1	3505.8	3515.0
17.5°	3644.5	3659.9	3616.8	3564.4	3538.1	3535.1	3530.4	3545.9	3567.4	3590.6
20°	3693.9	3709.3	3653.8	3582.9	3552.0	3552.0	3553.6	3585.9	3616.8	3650.7
22.5°	3763.2	3775.6	3707.7	3610.6	3565.9	3569.0	3581.3	3613.7	3652.2	3698.5
25°	3866.5	3875.8	3792.5	3663.0	3612.1	3621.4	3632.2	3647.6	3684.6	3738.6
27.5°	4033.0	4040.7	3931.3	3755.5	3678.4	3693.9	3709.3	3698.5	3715.4	3761.7
30°	4267.4	4272.0	4133.2	3900.4	3791.0	3798.7	3801.8	3757.1	3724.7	3761.7
32.5°	4544.9	4543.3	4378.4	4076.2	3918.9	3911.2	3885.0	3797.1	3721.6	3754.0
35°	4975.0	4958.0	4745.3	4322.9	4063.9	4016.1	3954.4	3841.9	3737.0	3746.3
37.5°	5687.2	5634.8	5340.4	4726.8	4279.7	4157.9	4066.9	3914.3	3770.9	3743.2
40°	6490.4	6424.2	6100.4	5280.2	4603.4	4407.6	4261.2	4017.6	3826.4	3757.1
42.5°	7443.2	7349.2	7000.7	5932.4	5013.5	4729.9	4509.4	4148.6	3908.1	3801.8
45°	8613.3	8488.5	7995.1	6667.7	5530.0	5152.3	4857.8	4347.5	4033.0	3888.1
47.5°	9795.8	9826.6	9125.2	7509.5	6149.7	5673.4	5294.1	4646.6	4214.9	4026.9
50°	11052.3	11073.8	10249.1	8442.2	6852.7	6262.3	5784.4	4981.2	4467.8	4224.2
52.5°	12032.8	12035.9	11269.6	9418.1	7585.0	6909.8	6313.2	5363.5	4760.7	4486.3
55°	12646.4	12638.6	11985.0	10341.6	8426.8	7589.7	6899.0	5798.2	5118.4	4794.6
57.5°	13091.9	13068.8	12478.3	11135.5	9324.0	8392.9	7561.9	6291.6	5540.8	5161.5
60°	13261.5	13247.6	12812.9	11821.6	10267.6	9280.9	8326.6	6843.5	6020.2	5594.7
62.5°	13326.2	13352.4	13141.2	12486.0	11277.3	10264.5	9166.8	7503.3	6559.8	6085.0
65°	13554.4	13602.2	13559.0	13355.5	12418.2	11416.1	10281.4	8288.0	7148.7	6610.7
67.5°	14006.1	14053.9	14072.4	14396.2	13811.9	12851.4	11672.0	9265.5	7837.9	7156.5
70°	13995.3	13981.4	14308.3	15224.0	15557.0	14838.6	13546.7	10468.0	8659.6	7609.7
72.5°	12738.9	12627.9	13400.2	15214.8	17009.3	16913.7	15836.1	12018.9	9368.8	7665.2
75°	9556.8	9260.8	10625.2	13711.7	17251.3	18091.6	17291.4	12980.9	9200.7	6772.6
77.5°	4087.0	3789.4	5397.4	10150.4	15439.9	16912.2	15956.3	11325.1	7344.5	4478.6
80°	1069.9	1068.4	1631.1	4601.9	10500.3	12489.1	10956.7	7313.7	4196.4	1600.3
82.5°	442.5	431.7	599.7	1789.9	5130.7	7008.5	5719.6	3262.2	1515.5	433.2
85°	165.0	163.4	291.4	618.2	1809.9	2890.6	2092.1	834.0	377.7	211.2
87.5°	46.3	44.7	63.2	214.3	440.9	669.1	357.7	137.2	106.4	83.3
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°
3323.9	0°	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9	3323.9
3330.0	2.5°	3334.6	3342.4	3356.2	3367.0	3380.9	3396.3	3417.9	3431.8	3445.6	3454.9
3337.7	5°	3348.5	3365.5	3400.9	3436.4	3478.0	3516.6	3561.3	3593.6	3619.9	3627.6
3365.5	7.5°	3379.4	3407.1	3467.2	3527.4	3593.6	3656.9	3721.6	3777.1	3821.8	3838.8
3414.8	10°	3433.3	3470.3	3555.1	3639.9	3727.8	3824.9	3908.1	3988.3	4051.5	4077.7
3473.4	12.5°	3501.1	3547.4	3658.4	3775.6	3897.4	4031.5	4139.4	4238.1	4316.7	4352.1
3555.1	15°	3589.0	3649.1	3791.0	3948.2	4127.1	4313.6	4450.8	4560.3	4648.1	4691.3
3639.9	17.5°	3684.6	3764.8	3943.6	4181.0	4436.9	4682.1	4842.4	4922.6	5013.5	5055.2
3718.5	20°	3777.1	3875.8	4131.7	4477.0	4817.7	5078.3	5207.8	5229.4	5235.5	5240.2
3792.5	22.5°	3872.7	4005.3	4367.6	4850.1	5215.5	5395.9	5414.4	5321.9	5192.4	5132.2
3865.0	25°	3977.5	4153.3	4675.9	5261.7	5557.7	5579.3	5437.5	5212.4	4967.3	4854.7
3923.6	27.5°	4079.3	4324.4	5045.9	5654.9	5804.4	5614.8	5309.5	4990.4	4694.4	4575.7
3965.2	30°	4181.0	4520.2	5454.4	5998.7	5916.9	5526.9	5107.6	4751.4	4453.9	4329.0
4002.2	32.5°	4284.3	4748.4	5924.7	6246.9	5896.9	5340.4	4856.3	4483.2	4221.1	4090.1
4034.6	35°	4401.5	5028.9	6370.2	6382.5	5762.8	5065.9	4524.8	4162.5	3934.4	3829.5
4073.1	37.5°	4554.1	5385.1	6763.3	6416.4	5528.4	4663.6	4113.2	3783.3	3595.2	3547.4
4130.1	40°	4743.7	5813.7	7064.0	6362.5	5181.6	4174.9	3663.0	3399.4	3293.0	3303.8
4207.2	42.5°	4990.4	6293.1	7275.2	6223.7	4699.0	3670.7	3268.3	3151.2	3202.1	3245.2
4322.9	45°	5311.1	6791.1	7406.2	5987.9	4153.3	3243.7	3035.6	3063.3	3101.8	3106.5
4509.4	47.5°	5721.2	7295.2	7492.5	5631.7	3596.7	2943.1	2887.6	2893.7	2886.0	2853.6
4788.4	50°	6233.0	7785.5	7569.6	5160.0	3123.4	2755.0	2681.0	2659.4	2553.0	2448.2
5160.0	52.5°	6815.7	8235.6	7602.0	4574.1	2755.0	2597.7	2477.5	2341.8	2142.9	2110.6
5627.1	55°	7463.2	8651.9	7518.7	3854.2	2445.1	2395.8	2213.8	2050.4	2028.8	2001.1
6242.2	57.5°	8237.2	9100.5	7349.2	3051.0	2127.5	2159.9	1982.6	2001.1	1962.6	1919.4
7033.1	60°	9083.5	9564.5	7051.6	2318.7	1799.1	1865.4	1922.5	1920.9	1910.1	1874.7
7867.2	62.5°	9845.1	9869.8	6465.8	1776.0	1510.8	1637.3	1793.0	1791.4	1782.2	1762.1
8738.2	65°	10298.4	9823.5	5488.4	1398.3	1273.4	1449.2	1617.2	1629.5	1631.1	1629.5
9393.4	67.5°	10218.2	9282.4	4147.1	1113.1	1077.6	1258.0	1443.0	1460.0	1472.3	1475.4
9476.7	70°	9311.7	8093.8	2704.1	888.0	903.4	1090.0	1278.0	1295.0	1305.8	1318.1
8223.3	72.5°	7258.2	5950.9	1547.8	718.4	750.8	945.0	1114.6	1134.7	1140.8	1164.0
5722.7	75°	4423.1	3499.6	835.6	565.8	616.7	807.8	952.8	975.9	986.7	1014.4
2810.5	77.5°	2102.8	1515.5	476.4	440.9	496.4	659.8	804.8	831.0	801.7	817.1
775.5	80°	710.7	562.7	300.6	336.1	379.3	514.9	644.4	670.6	609.0	605.9
257.5	82.5°	248.2	228.2	191.2	223.5	245.1	368.5	487.2	521.1	453.3	451.7
115.6	85°	97.1	92.5	106.4	121.8	146.5	226.6	320.7	337.6	279.0	225.1
33.9	87.5°	20.0	21.6	26.2	27.8	44.7	78.6	115.6	141.8	112.5	95.6
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°
3323.9
3448.7
3630.6
3840.3
4079.3
4352.1
4688.2
5053.6
5252.5
5149.2
4871.7
4589.6
4342.9
4107.0
3852.6
3581.3
3340.8
3285.3
3137.3
2878.3
2462.1
2121.3
2005.7
1911.7
1862.3
1754.4
1629.5
1478.5
1324.3
1173.2
1017.5
804.8
599.7
430.1
222.0
87.9
0.0

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