

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: P848363

Luminaire Tested: **GLAN-SB4D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848363
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-SB4D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26034 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

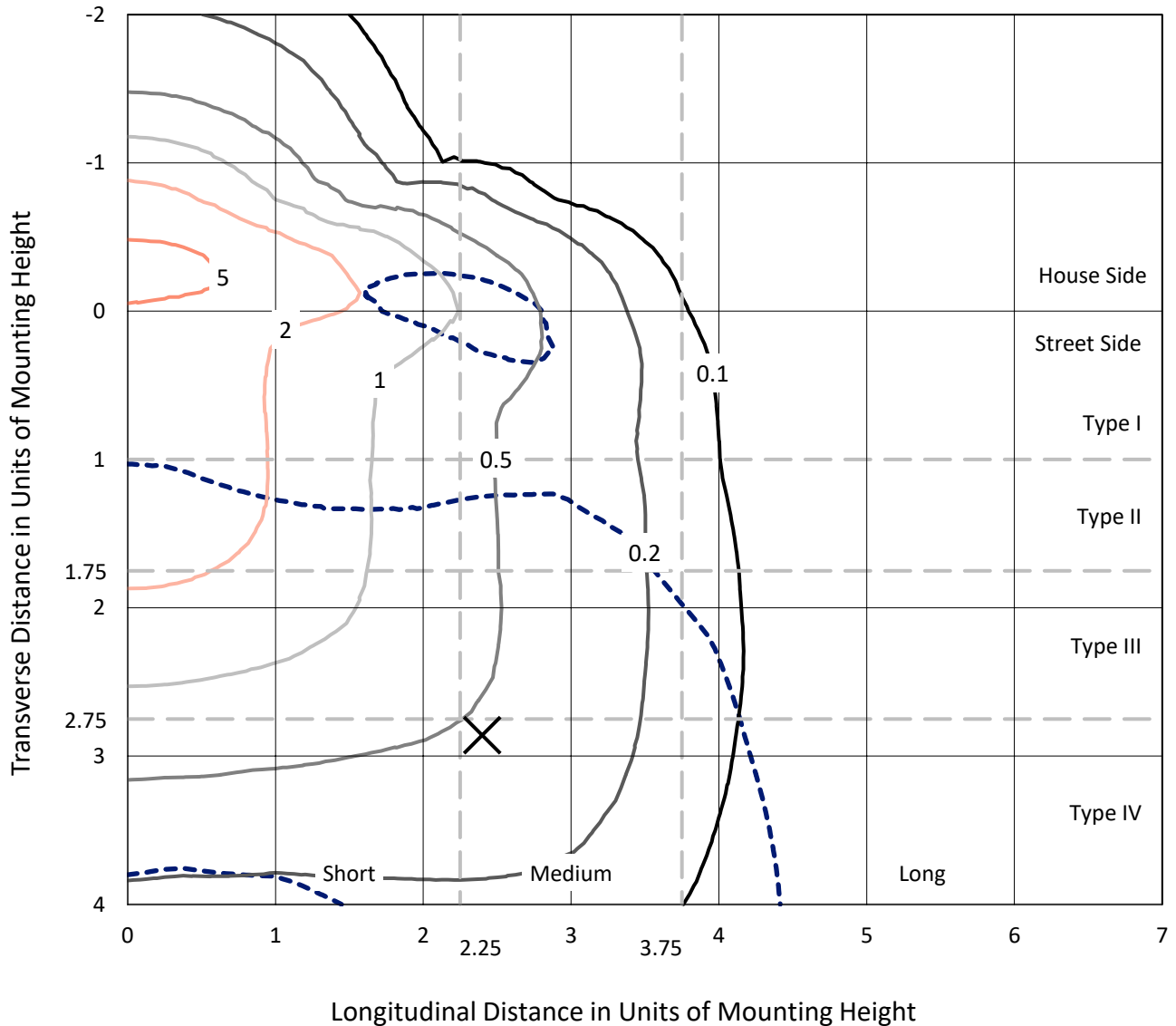
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

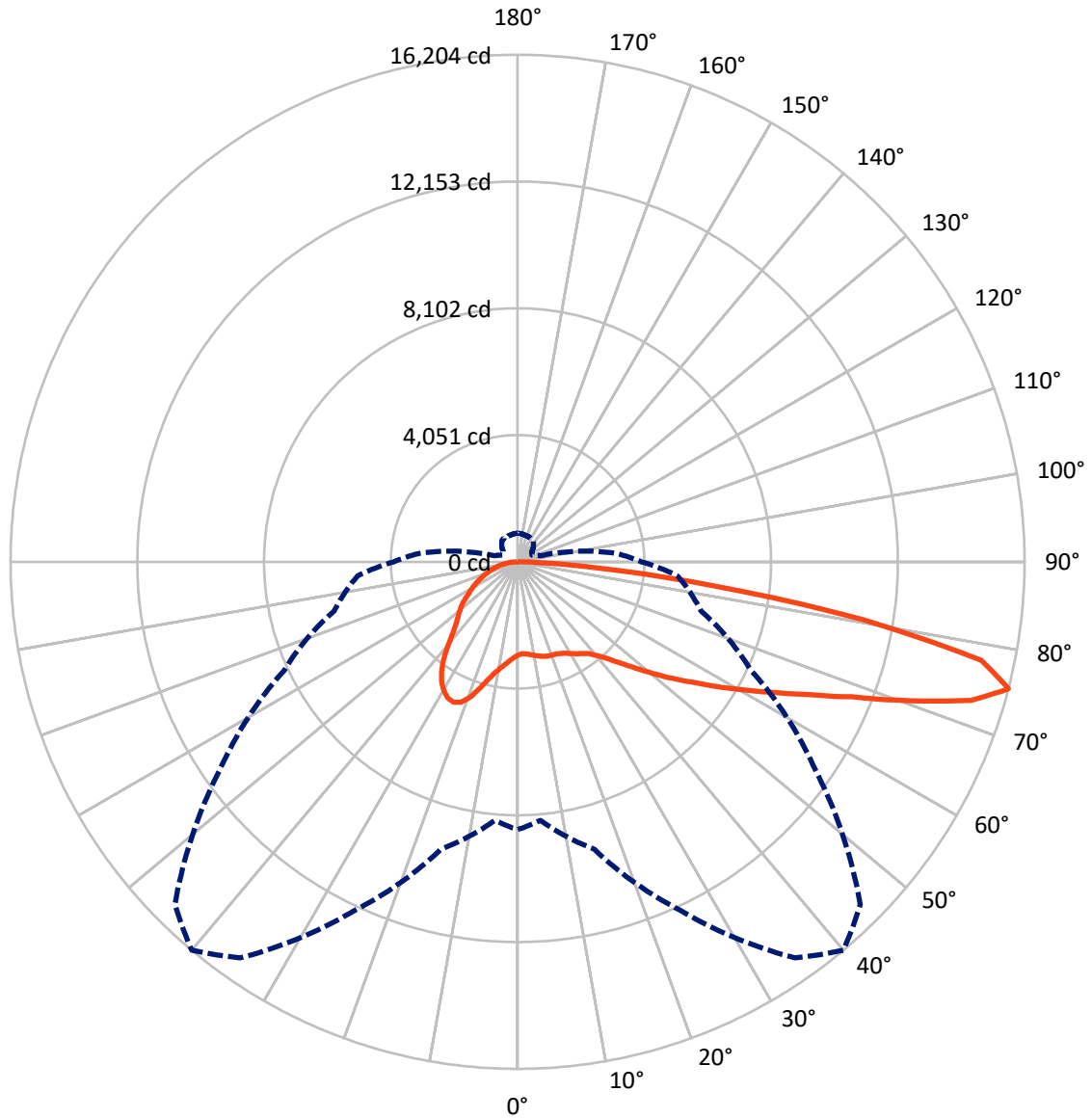
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	8066.2	0.0	8066.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17967.8	0.0	17967.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	26034.0	0.0	26034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.2	1.1
10°-20°	997.7	3.8
20°-30°	1821.7	7.0
30°-40°	2583.7	9.9
40°-50°	3488.8	13.4
50°-60°	4693.4	18.0
60°-70°	5957.0	22.9
70°-80°	5406.3	20.8
80°-90°	788.1	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°	26034.0	100.0
0°-180°	26034.0	100.0

Coefficient of Utilization

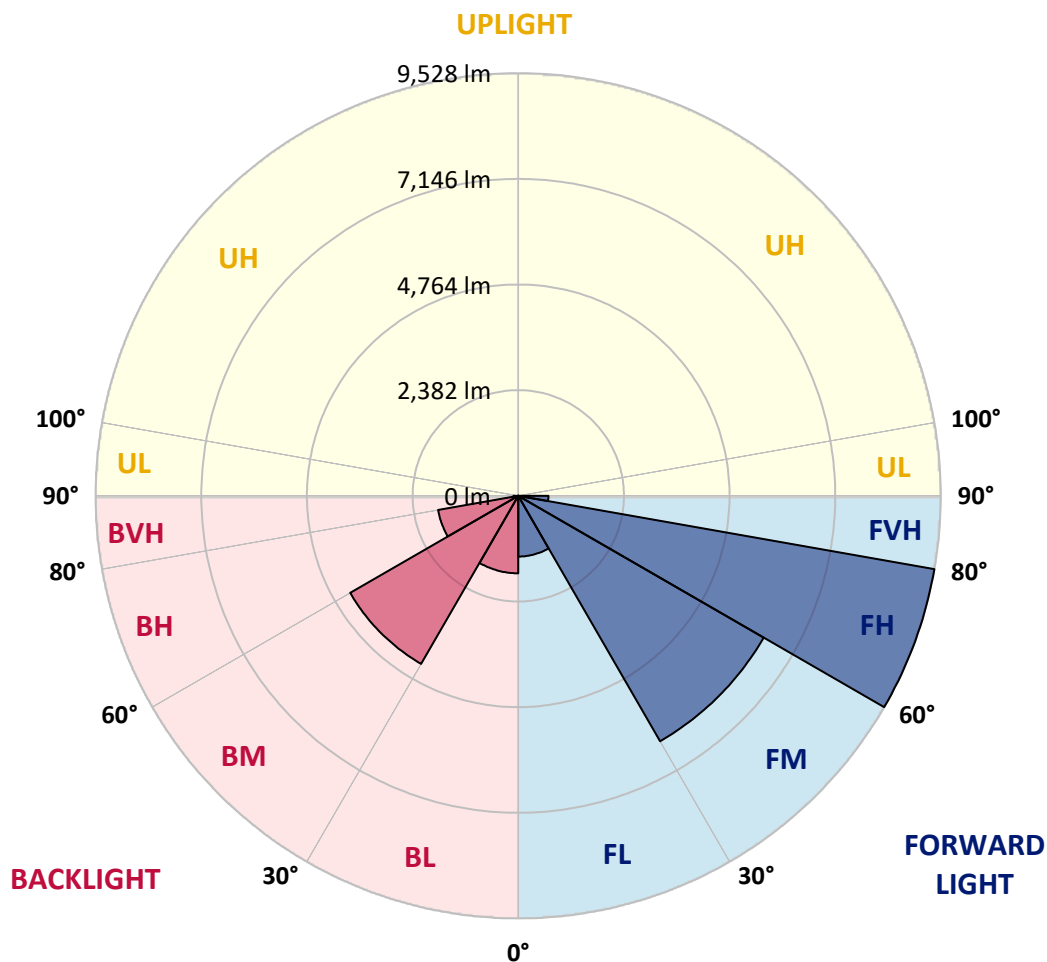


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1369.4	5.3			
FM (30°-60°)	6390.8	24.5			
FH (60°-80°)	9528.0	36.6			G4/12000
FVH (80°-90°)	679.6	2.6			G4/750
BL (0°-30°)	1747.2	6.7	B3/2500		
BM (30°-60°)	4375.2	16.8	B3/5000		
BH (60°-80°)	1835.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.5	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°	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0
2.5°	2931.5	2948.0	2943.9	2938.4	2938.4	2939.7	2938.4	2948.0	2957.7	2967.4
5°	2961.8	2978.4	2970.1	2963.2	2957.7	2956.3	2952.2	2950.8	2956.3	2968.7
7.5°	3021.2	3037.8	3025.4	3012.9	3001.9	2996.4	2990.8	2982.5	2978.4	2985.3
10°	3087.5	3104.1	3088.9	3066.8	3048.8	3041.9	3036.4	3028.1	3022.6	3026.7
12.5°	3153.8	3170.3	3149.6	3119.2	3095.8	3091.6	3084.7	3082.0	3080.6	3079.2
15°	3215.9	3229.7	3203.5	3167.6	3142.7	3135.8	3128.9	3133.1	3140.0	3148.2
17.5°	3264.2	3278.0	3239.4	3192.4	3169.0	3166.2	3162.1	3175.9	3195.2	3215.9
20°	3308.4	3322.2	3272.5	3209.0	3181.4	3181.4	3182.8	3211.8	3239.4	3269.8
22.5°	3370.6	3381.6	3320.8	3233.9	3193.8	3196.6	3207.6	3236.6	3271.1	3312.6
25°	3463.1	3471.4	3396.8	3280.8	3235.2	3243.5	3253.2	3267.0	3300.1	3348.5
27.5°	3612.2	3619.1	3521.1	3363.6	3294.6	3308.4	3322.2	3312.6	3327.7	3369.2
30°	3822.1	3826.2	3701.9	3493.4	3395.4	3402.3	3405.1	3365.0	3336.0	3369.2
32.5°	4070.6	4069.2	3921.5	3650.9	3510.0	3503.1	3479.6	3400.9	3333.3	3362.3
35°	4455.9	4440.7	4250.1	3871.8	3639.8	3597.0	3541.8	3441.0	3347.1	3355.4
37.5°	5093.8	5046.9	4783.1	4233.6	3833.1	3724.0	3642.6	3505.9	3377.5	3352.6
40°	5813.2	5753.8	5463.9	4729.3	4123.1	3947.7	3816.6	3598.4	3427.2	3365.0
42.5°	6666.5	6582.3	6270.3	5313.4	4490.4	4236.3	4038.9	3715.8	3500.3	3405.1
45°	7714.6	7602.7	7160.9	5972.0	4953.0	4614.7	4350.9	3893.9	3612.2	3482.4
47.5°	8773.7	8801.3	8173.0	6725.9	5508.0	5081.4	4741.7	4161.8	3775.1	3606.7
50°	9899.0	9918.3	9179.6	7561.3	6137.7	5608.8	5180.8	4461.4	4001.6	3783.4
52.5°	10777.2	10780.0	10093.7	8435.4	6793.6	6188.8	5654.4	4803.8	4263.9	4018.2
55°	11326.8	11319.9	10734.4	9262.5	7547.5	6797.7	6179.1	5193.2	4584.3	4294.3
57.5°	11725.8	11705.1	11176.3	9973.6	8351.1	7517.1	6772.9	5635.1	4962.6	4622.9
60°	11877.7	11865.3	11475.9	10588.0	9196.2	8312.5	7457.7	6129.4	5392.1	5011.0
62.5°	11935.7	11959.2	11770.0	11183.2	10100.6	9193.4	8210.3	6720.4	5875.3	5450.1
65°	12140.1	12182.9	12144.2	11961.9	11122.4	10224.9	9208.6	7423.2	6402.8	5920.9
67.5°	12544.6	12587.4	12604.0	12894.0	12370.7	11510.4	10454.1	8298.7	7020.0	6409.7
70°	12535.0	12522.6	12815.3	13635.5	13933.7	13290.3	12133.2	9375.7	7756.0	6815.7
72.5°	11409.6	11310.2	12002.0	13627.2	15234.5	15148.8	14183.7	10764.8	8391.2	6865.4
75°	8559.6	8294.5	9516.5	12280.9	15451.2	16203.8	15487.1	11626.4	8240.7	6065.9
77.5°	3660.5	3394.0	4834.2	9091.2	13828.8	15147.5	14291.4	10143.4	6578.2	4011.2
80°	958.3	956.9	1460.9	4121.7	9404.7	11185.9	9813.4	6550.6	3758.6	1433.3
82.5°	396.3	386.6	537.1	1603.1	4595.3	6277.2	5122.8	2921.8	1357.3	388.0
85°	147.7	146.4	261.0	553.7	1621.1	2589.0	1873.8	747.0	338.3	189.2
87.5°	41.4	40.0	56.6	191.9	394.9	599.3	320.3	122.9	95.3	74.6
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°
2977.0	0°	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0	2977.0
2982.5	2.5°	2986.7	2993.6	3006.0	3015.7	3028.1	3041.9	3061.3	3073.7	3086.1	3094.4
2989.4	5°	2999.1	3014.3	3046.1	3077.8	3115.1	3149.6	3189.7	3218.7	3242.1	3249.0
3014.3	7.5°	3026.7	3051.6	3105.4	3159.3	3218.7	3275.3	3333.3	3383.0	3423.0	3438.2
3058.5	10°	3075.1	3108.2	3184.1	3260.1	3338.8	3425.8	3500.3	3572.2	3628.8	3652.2
3111.0	12.5°	3135.8	3177.2	3276.7	3381.6	3490.7	3610.8	3707.5	3795.8	3866.3	3898.0
3184.1	15°	3214.5	3268.4	3395.4	3536.2	3696.4	3863.5	3986.4	4084.4	4163.1	4201.8
3260.1	17.5°	3300.1	3371.9	3532.1	3744.8	3974.0	4193.5	4337.1	4408.9	4490.4	4527.7
3330.5	20°	3383.0	3471.4	3700.6	4009.9	4315.0	4548.4	4664.4	4683.7	4689.2	4693.4
3396.8	22.5°	3468.6	3587.3	3911.8	4344.0	4671.3	4832.8	4849.4	4766.6	4650.6	4596.7
3461.7	25°	3562.5	3719.9	4188.0	4712.7	4977.8	4997.1	4870.1	4668.5	4449.0	4348.2
3514.2	27.5°	3653.6	3873.2	4519.4	5064.8	5198.7	5028.9	4755.5	4469.7	4204.6	4098.2
3551.4	30°	3744.8	4048.5	4885.3	5372.7	5299.5	4950.2	4574.6	4255.7	3989.2	3877.3
3584.6	32.5°	3837.3	4252.9	5306.4	5595.0	5281.6	4783.1	4349.5	4015.4	3780.7	3663.3
3613.6	35°	3942.2	4504.2	5705.5	5716.5	5161.5	4537.3	4052.7	3728.2	3523.8	3429.9
3648.1	37.5°	4078.9	4823.2	6057.6	5746.9	4951.6	4176.9	3684.0	3388.5	3220.0	3177.2
3699.2	40°	4248.7	5207.0	6326.9	5698.6	4640.9	3739.2	3280.8	3044.7	2949.4	2959.1
3768.2	42.5°	4469.7	5636.5	6516.0	5574.3	4208.7	3287.7	2927.3	2822.4	2867.9	2906.6
3871.8	45°	4756.9	6082.5	6633.4	5363.1	3719.9	2905.2	2718.8	2743.7	2778.2	2782.3
4038.9	47.5°	5124.2	6534.0	6710.7	5044.1	3221.4	2636.0	2586.3	2591.8	2584.9	2555.9
4288.8	50°	5582.6	6973.1	6779.8	4621.6	2797.5	2467.5	2401.2	2381.9	2286.6	2192.7
4621.6	52.5°	6104.6	7376.3	6808.8	4096.9	2467.5	2326.7	2219.0	2097.4	1919.3	1890.3
5040.0	55°	6684.5	7749.1	6734.2	3452.0	2190.0	2145.8	1982.8	1836.5	1817.1	1792.3
5590.9	57.5°	7377.7	8150.9	6582.3	2732.6	1905.5	1934.5	1775.7	1792.3	1757.8	1719.1
6299.2	60°	8135.7	8566.5	6315.8	2076.7	1611.4	1670.8	1721.9	1720.5	1710.8	1679.1
7046.3	62.5°	8817.8	8839.9	5791.1	1590.7	1353.2	1466.4	1605.9	1604.5	1596.2	1578.3
7826.4	65°	9223.8	8798.5	4915.7	1252.4	1140.5	1298.0	1448.5	1459.5	1460.9	1459.5
8413.3	67.5°	9152.0	8313.8	3714.4	996.9	965.2	1126.7	1292.4	1307.6	1318.7	1321.4
8487.8	70°	8340.1	7249.2	2421.9	795.3	809.2	976.2	1144.7	1159.9	1169.5	1180.6
7365.2	72.5°	6500.8	5329.9	1386.3	643.5	672.5	846.4	998.3	1016.3	1021.8	1042.5
5125.6	75°	3961.5	3134.4	748.4	506.8	552.3	723.5	853.3	874.1	883.7	908.6
2517.2	77.5°	1883.4	1357.3	426.7	394.9	444.6	591.0	720.8	744.3	718.0	731.8
694.5	80°	636.6	504.0	269.3	301.0	339.7	461.2	577.2	600.7	545.4	542.7
230.6	82.5°	222.3	204.4	171.2	200.2	219.5	330.0	436.3	466.7	406.0	404.6
103.6	85°	87.0	82.8	95.3	109.1	131.2	203.0	287.2	302.4	249.9	201.6
30.4	87.5°	18.0	19.3	23.5	24.9	40.0	70.4	103.6	127.0	100.8	85.6
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°
2977.0
3088.9
3251.8
3439.6
3653.6
3898.0
4199.0
4526.3
4704.4
4611.9
4363.4
4110.7
3889.7
3678.5
3450.6
3207.6
2992.2
2942.5
2809.9
2578.0
2205.2
1900.0
1796.4
1712.2
1668.0
1571.4
1459.5
1324.2
1186.1
1050.8
911.3
720.8
537.1
385.2
198.8
78.7
0.0

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