

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: P848143

Luminaire Tested: **GLAN-SB4C-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848143
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 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: 23722 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

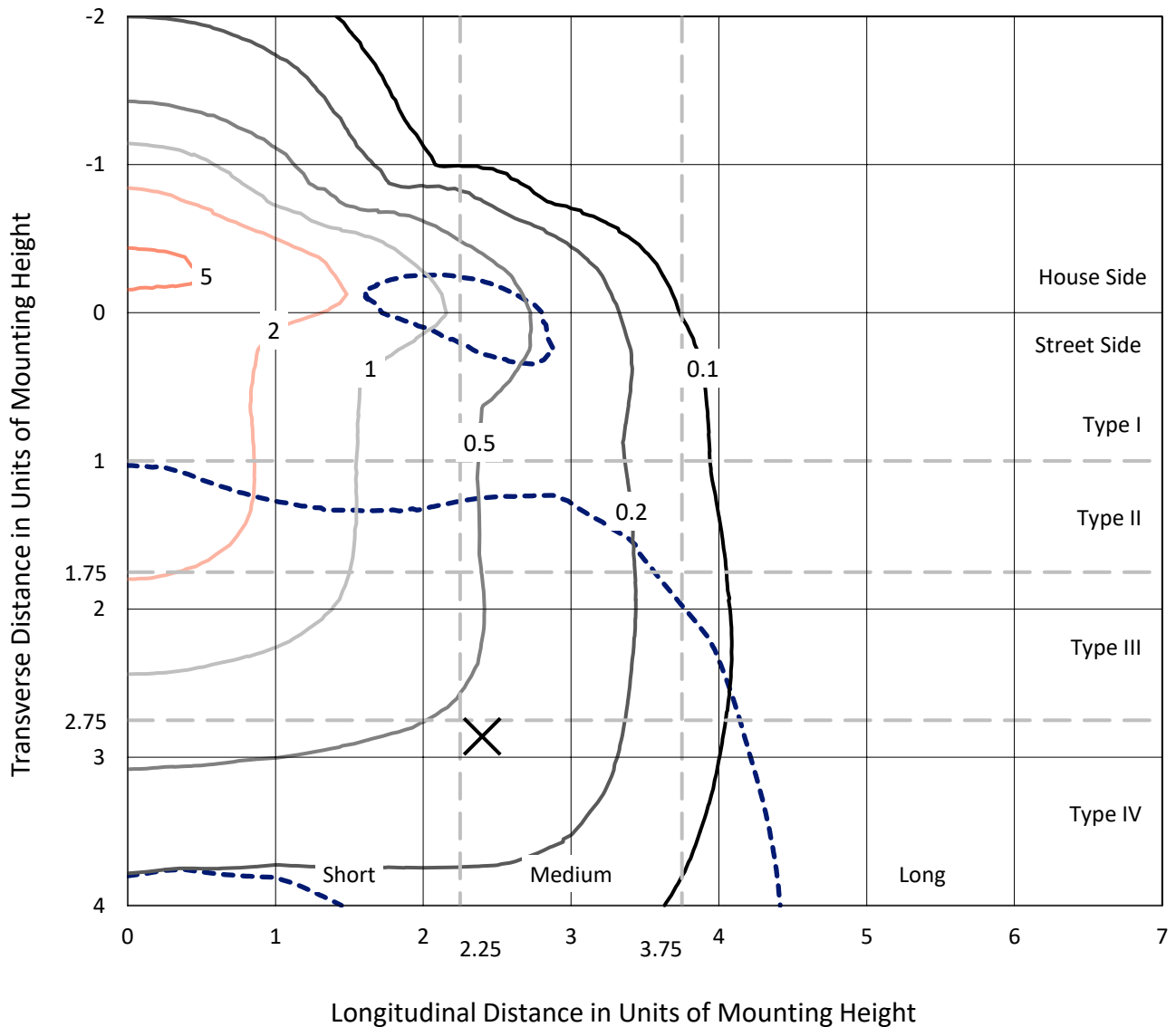
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

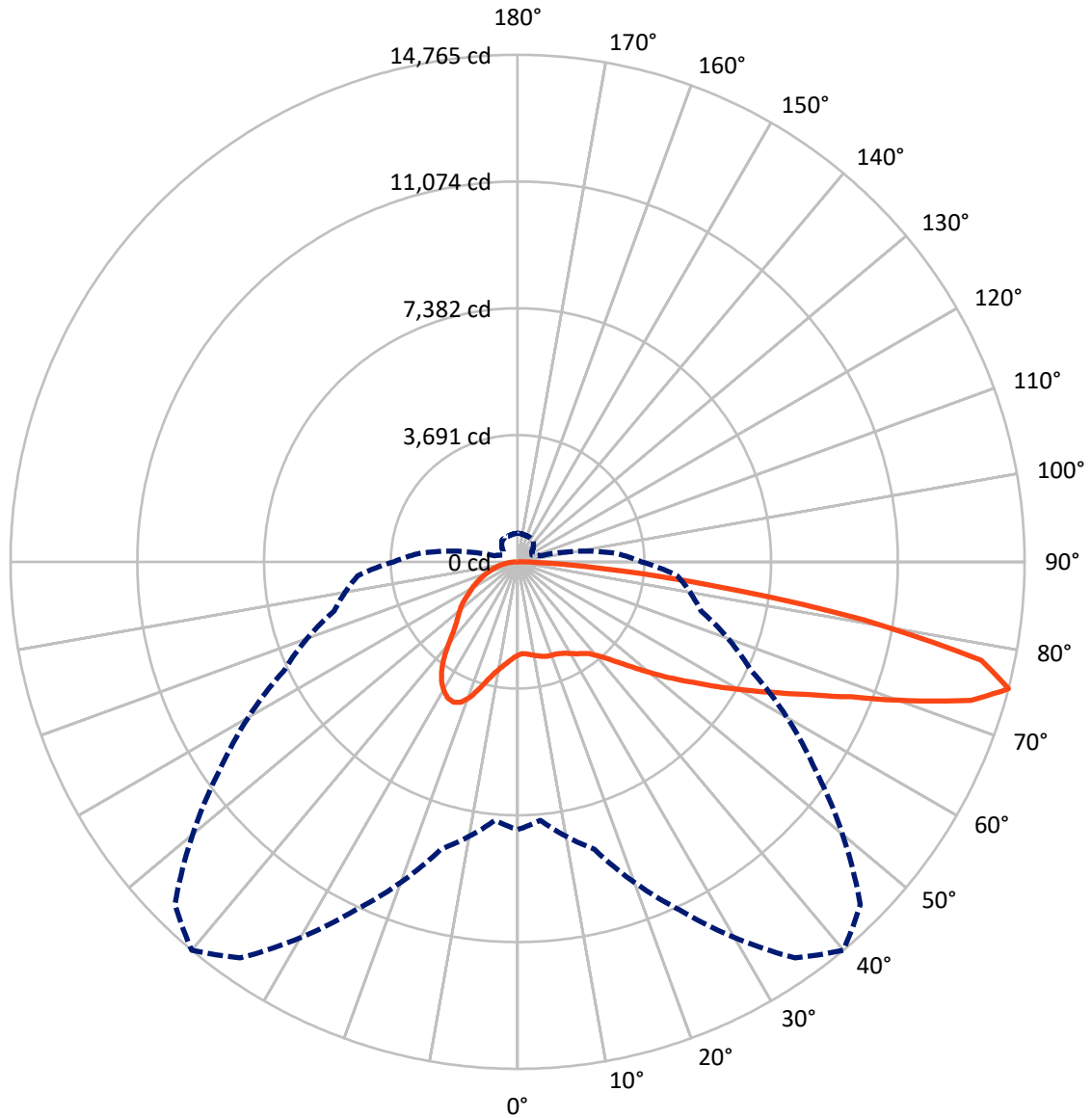
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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
House Side	Lumens	7349.9	0.0	7349.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16372.1	0.0	16372.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	23722.0	0.0	23722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.8	1.1
10°-20°	909.1	3.8
20°-30°	1660.0	7.0
30°-40°	2354.3	9.9
40°-50°	3179.0	13.4
50°-60°	4276.6	18.0
60°-70°	5428.0	22.9
70°-80°	4926.2	20.8
80°-90°	718.1	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°	23722.0	100.0
0°-180°	23722.0	100.0

Coefficient of Utilization

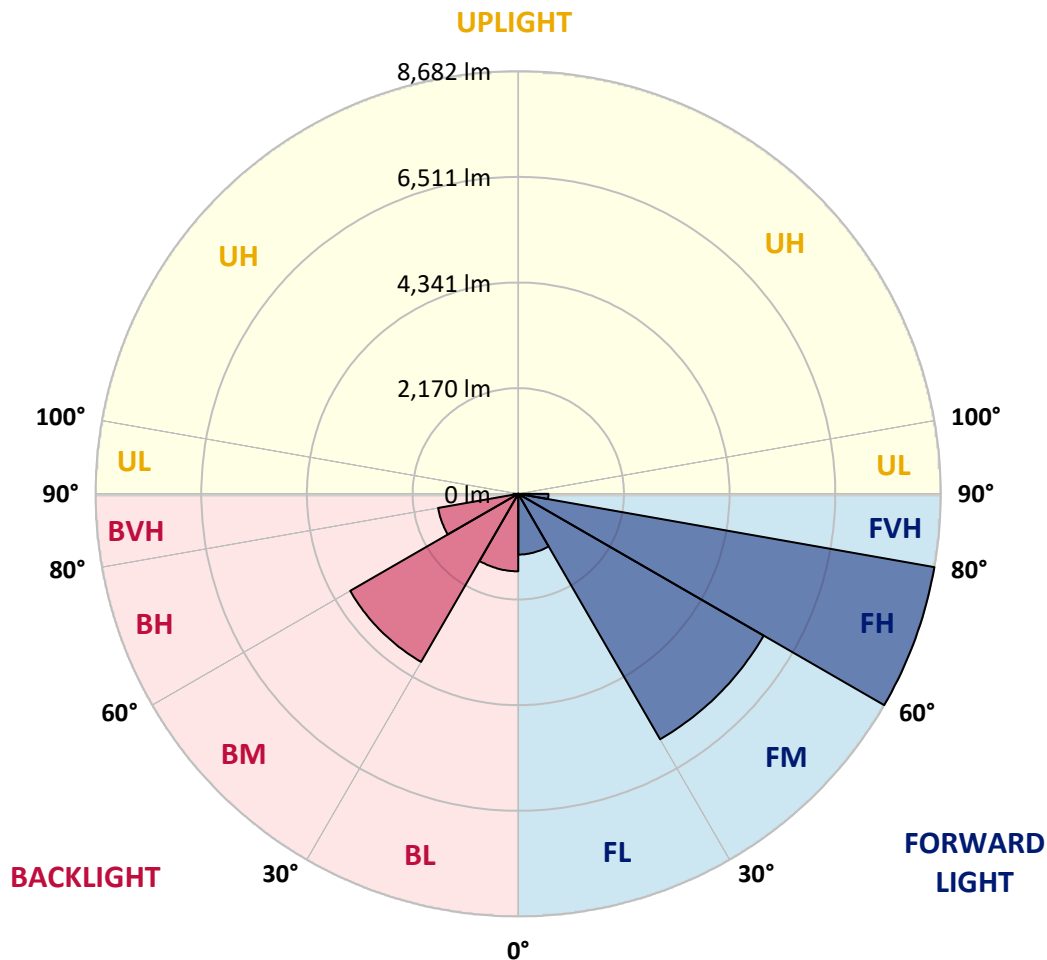


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.8	5.3			
FM (30°-60°)	5823.2	24.5			
FH (60°-80°)	8681.9	36.6			G4/12000
FVH (80°-90°)	619.2	2.6			G4/750
BL (0°-30°)	1592.1	6.7	B3/2500		
BM (30°-60°)	3986.6	16.8	B3/5000		
BH (60°-80°)	1672.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	98.9	0.4			G1/100
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°	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6
2.5°	2671.1	2686.2	2682.4	2677.4	2677.4	2678.7	2677.4	2686.2	2695.0	2703.8
5°	2698.8	2713.9	2706.4	2700.1	2695.0	2693.8	2690.0	2688.7	2693.8	2705.1
7.5°	2752.9	2768.0	2756.7	2745.4	2735.3	2730.3	2725.2	2717.7	2713.9	2720.2
10°	2813.3	2828.4	2814.6	2794.4	2778.1	2771.8	2766.7	2759.2	2754.2	2757.9
12.5°	2873.7	2888.8	2869.9	2842.2	2820.8	2817.1	2810.8	2808.3	2807.0	2805.7
15°	2930.3	2942.9	2919.0	2886.3	2863.6	2857.3	2851.0	2854.8	2861.1	2868.7
17.5°	2974.3	2986.9	2951.7	2908.9	2887.5	2885.0	2881.2	2893.8	2911.4	2930.3
20°	3014.6	3027.2	2981.9	2924.0	2898.9	2898.9	2900.1	2926.5	2951.7	2979.4
22.5°	3071.2	3081.3	3025.9	2946.7	2910.2	2912.7	2922.8	2949.2	2980.6	3018.4
25°	3155.5	3163.1	3095.1	2989.4	2947.9	2955.5	2964.3	2976.9	3007.1	3051.1
27.5°	3291.4	3297.7	3208.4	3064.9	3002.0	3014.6	3027.2	3018.4	3032.2	3070.0
30°	3482.7	3486.4	3373.2	3183.2	3093.9	3100.2	3102.7	3066.2	3039.8	3070.0
32.5°	3709.1	3707.9	3573.2	3326.6	3198.3	3192.0	3170.6	3098.9	3037.3	3063.7
35°	4060.2	4046.3	3872.7	3527.9	3316.6	3277.6	3227.2	3135.4	3049.8	3057.4
37.5°	4641.4	4598.7	4358.3	3857.6	3492.7	3393.3	3319.1	3194.5	3077.5	3054.9
40°	5296.9	5242.8	4978.6	4309.3	3756.9	3597.1	3477.6	3278.8	3122.8	3066.2
42.5°	6074.5	5997.8	5713.4	4841.5	4091.6	3860.1	3680.2	3385.8	3189.5	3102.7
45°	7029.5	6927.6	6524.9	5441.6	4513.1	4204.8	3964.5	3548.1	3291.4	3173.1
47.5°	7994.5	8019.7	7447.2	6128.6	5018.9	4630.1	4320.6	3792.2	3439.9	3286.4
50°	9019.9	9037.5	8364.4	6889.8	5592.6	5110.7	4720.7	4065.2	3646.2	3447.4
52.5°	9820.1	9822.6	9197.3	7686.2	6190.3	5639.2	5152.3	4377.2	3885.3	3661.3
55°	10320.9	10314.6	9781.1	8439.9	6877.2	6194.0	5630.4	4732.0	4177.2	3912.9
57.5°	10684.5	10665.6	10183.7	9087.9	7609.5	6849.5	6171.4	5134.6	4521.9	4212.4
60°	10822.9	10811.6	10456.8	9647.7	8379.5	7574.3	6795.4	5585.1	4913.2	4565.9
62.5°	10875.7	10897.1	10724.8	10190.0	9203.6	8377.0	7481.2	6123.6	5353.6	4966.0
65°	11061.9	11100.9	11065.7	10899.6	10134.7	9316.8	8390.8	6764.0	5834.2	5395.1
67.5°	11430.6	11469.6	11484.7	11748.9	11272.1	10488.2	9525.7	7561.7	6396.6	5840.5
70°	11421.8	11410.5	11677.2	12424.6	12696.3	12110.0	11055.7	8543.1	7067.2	6210.4
72.5°	10396.4	10305.8	10936.1	12417.0	13881.5	13803.5	12924.1	9808.8	7646.0	6255.7
75°	7799.5	7557.9	8671.4	11190.3	14079.1	14764.8	14111.8	10593.9	7508.8	5527.2
77.5°	3335.4	3092.6	4404.9	8283.9	12600.7	13802.3	13022.2	9242.6	5994.0	3655.0
80°	873.2	871.9	1331.2	3755.7	8569.5	10192.5	8941.9	5968.8	3424.8	1306.0
82.5°	361.1	352.3	489.4	1460.8	4187.2	5719.7	4667.9	2662.3	1236.8	353.5
85°	134.6	133.4	237.8	504.5	1477.1	2359.1	1707.4	680.7	308.3	172.4
87.5°	37.7	36.5	51.6	174.9	359.8	546.1	291.9	112.0	86.8	67.9
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°
2712.6	0°	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6	2712.6
2717.7	2.5°	2721.4	2727.7	2739.1	2747.9	2759.2	2771.8	2789.4	2800.7	2812.0	2819.6
2724.0	5°	2732.8	2746.6	2775.6	2804.5	2838.5	2869.9	2906.4	2932.8	2954.2	2960.5
2746.6	7.5°	2757.9	2780.6	2829.7	2878.7	2932.8	2984.4	3037.3	3082.5	3119.0	3132.9
2786.9	10°	2802.0	2832.2	2901.4	2970.6	3042.3	3121.6	3189.5	3254.9	3306.5	3327.9
2834.7	12.5°	2857.3	2895.1	2985.7	3081.3	3180.7	3290.1	3378.2	3458.7	3522.9	3551.9
2901.4	15°	2929.0	2978.1	3093.9	3222.2	3368.2	3520.4	3632.4	3721.7	3793.4	3828.7
2970.6	17.5°	3007.1	3072.5	3218.4	3412.2	3621.1	3821.1	3952.0	4017.4	4091.6	4125.6
3034.7	20°	3082.5	3163.1	3371.9	3653.8	3931.8	4144.5	4250.1	4267.8	4272.8	4276.6
3095.1	22.5°	3160.6	3268.8	3564.4	3958.2	4256.4	4403.6	4418.7	4343.2	4237.6	4188.5
3154.3	25°	3246.1	3389.5	3816.1	4294.2	4535.7	4553.4	4437.6	4253.9	4053.9	3962.0
3202.1	27.5°	3329.2	3529.2	4118.0	4615.0	4737.1	4582.3	4333.2	4072.7	3831.2	3734.3
3236.0	30°	3412.2	3689.0	4451.5	4895.6	4828.9	4510.6	4168.4	3877.7	3634.9	3533.0
3266.2	32.5°	3496.5	3875.2	4835.2	5098.2	4812.5	4358.3	3963.3	3658.8	3444.9	3338.0
3292.7	35°	3592.1	4104.2	5198.8	5208.9	4703.1	4134.4	3692.8	3397.1	3210.9	3125.3
3324.1	37.5°	3716.7	4394.8	5519.6	5236.6	4511.8	3806.0	3356.8	3087.6	2934.1	2895.1
3370.7	40°	3871.4	4744.6	5765.0	5192.5	4228.8	3407.2	2989.4	2774.3	2687.5	2696.3
3433.6	42.5°	4072.7	5135.9	5937.4	5079.3	3834.9	2995.7	2667.3	2571.7	2613.2	2648.5
3527.9	45°	4334.4	5542.3	6044.3	4886.8	3389.5	2647.2	2477.4	2500.0	2531.5	2535.2
3680.2	47.5°	4669.1	5953.7	6114.8	4596.1	2935.3	2401.9	2356.6	2361.6	2355.3	2328.9
3907.9	50°	5086.8	6353.8	6177.7	4211.1	2549.1	2248.4	2188.0	2170.4	2083.6	1998.0
4211.1	52.5°	5562.4	6721.2	6204.1	3733.0	2248.4	2120.0	2021.9	1911.2	1748.9	1722.5
4592.4	55°	6090.9	7060.9	6136.2	3145.5	1995.5	1955.2	1806.8	1673.4	1655.8	1633.1
5094.4	57.5°	6722.5	7427.1	5997.8	2489.9	1736.3	1762.7	1618.0	1633.1	1601.7	1566.4
5739.8	60°	7413.2	7805.8	5754.9	1892.3	1468.3	1522.4	1569.0	1567.7	1558.9	1530.0
6420.5	62.5°	8034.8	8054.9	5276.8	1449.4	1233.0	1336.2	1463.3	1462.0	1454.5	1438.1
7131.4	65°	8404.7	8017.1	4479.1	1141.2	1039.3	1182.7	1319.8	1329.9	1331.2	1329.9
7666.1	67.5°	8339.2	7575.5	3384.5	908.4	879.5	1026.7	1177.7	1191.5	1201.6	1204.1
7734.1	70°	7599.4	6605.5	2206.9	724.7	737.3	889.5	1043.0	1056.9	1065.7	1075.7
6711.1	72.5°	5923.5	4856.6	1263.2	586.3	612.7	771.3	909.7	926.0	931.1	949.9
4670.4	75°	3609.7	2856.1	681.9	461.8	503.3	659.3	777.6	796.4	805.2	827.9
2293.7	77.5°	1716.2	1236.8	388.8	359.8	405.1	538.5	656.8	678.2	654.3	666.8
632.9	80°	580.0	459.2	245.3	274.3	309.5	420.2	525.9	547.3	497.0	494.5
210.1	82.5°	202.6	186.2	156.0	182.4	200.1	300.7	397.6	425.3	369.9	368.6
94.4	85°	79.3	75.5	86.8	99.4	119.5	185.0	261.7	275.5	227.7	183.7
27.7	87.5°	16.4	17.6	21.4	22.6	36.5	64.2	94.4	115.8	91.8	78.0
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°
2712.6
2814.6
2963.0
3134.1
3329.2
3551.9
3826.1
4124.3
4286.6
4202.3
3975.9
3745.6
3544.3
3351.8
3144.2
2922.8
2726.5
2681.2
2560.4
2349.0
2009.3
1731.3
1636.9
1560.1
1519.9
1431.8
1329.9
1206.6
1080.8
957.5
830.4
656.8
489.4
351.0
181.2
71.7
0.0

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