

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: P848673

Luminaire Tested: **GLAN-SB5B-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848673
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-SB5B-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 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: 23346 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

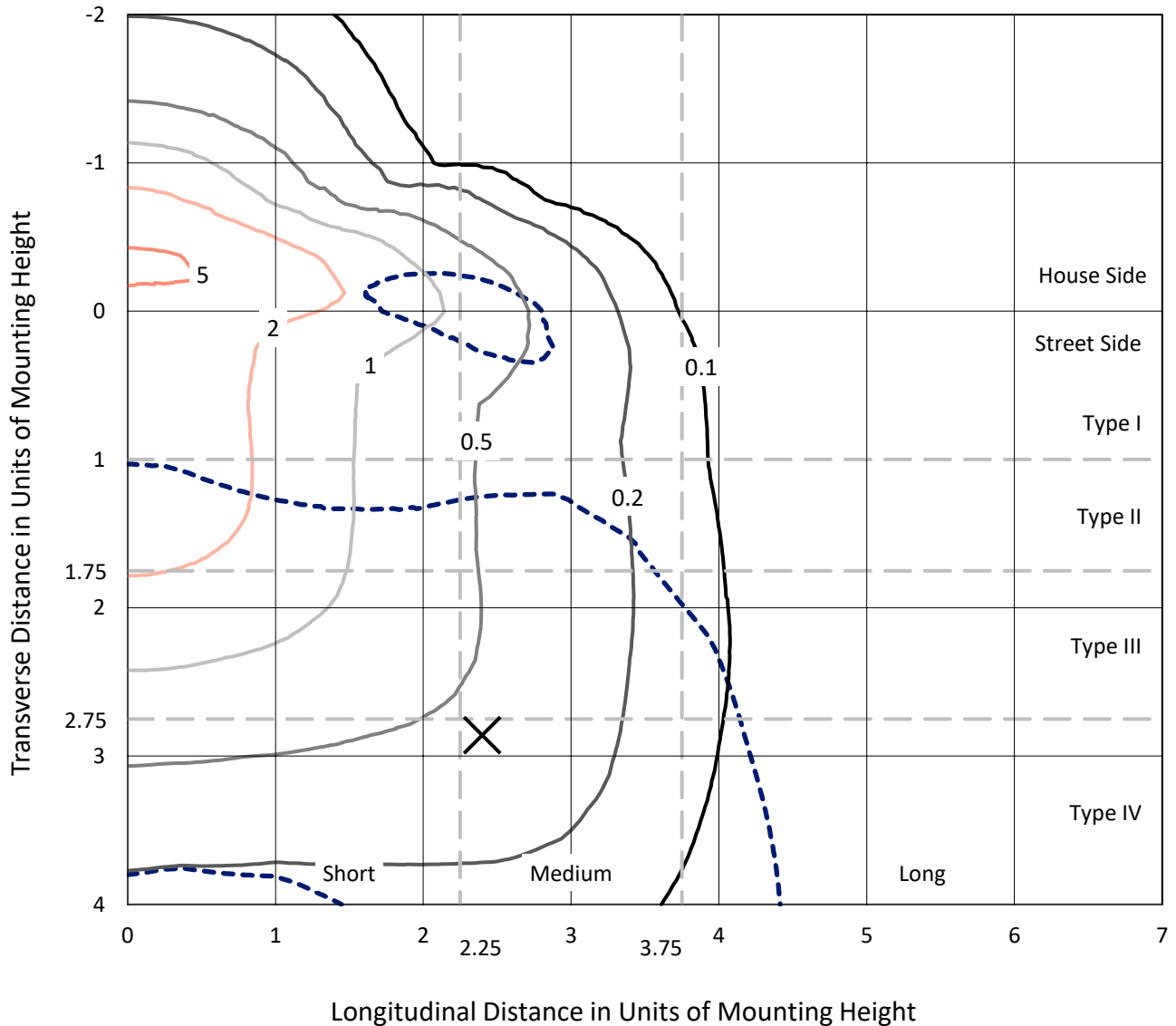
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

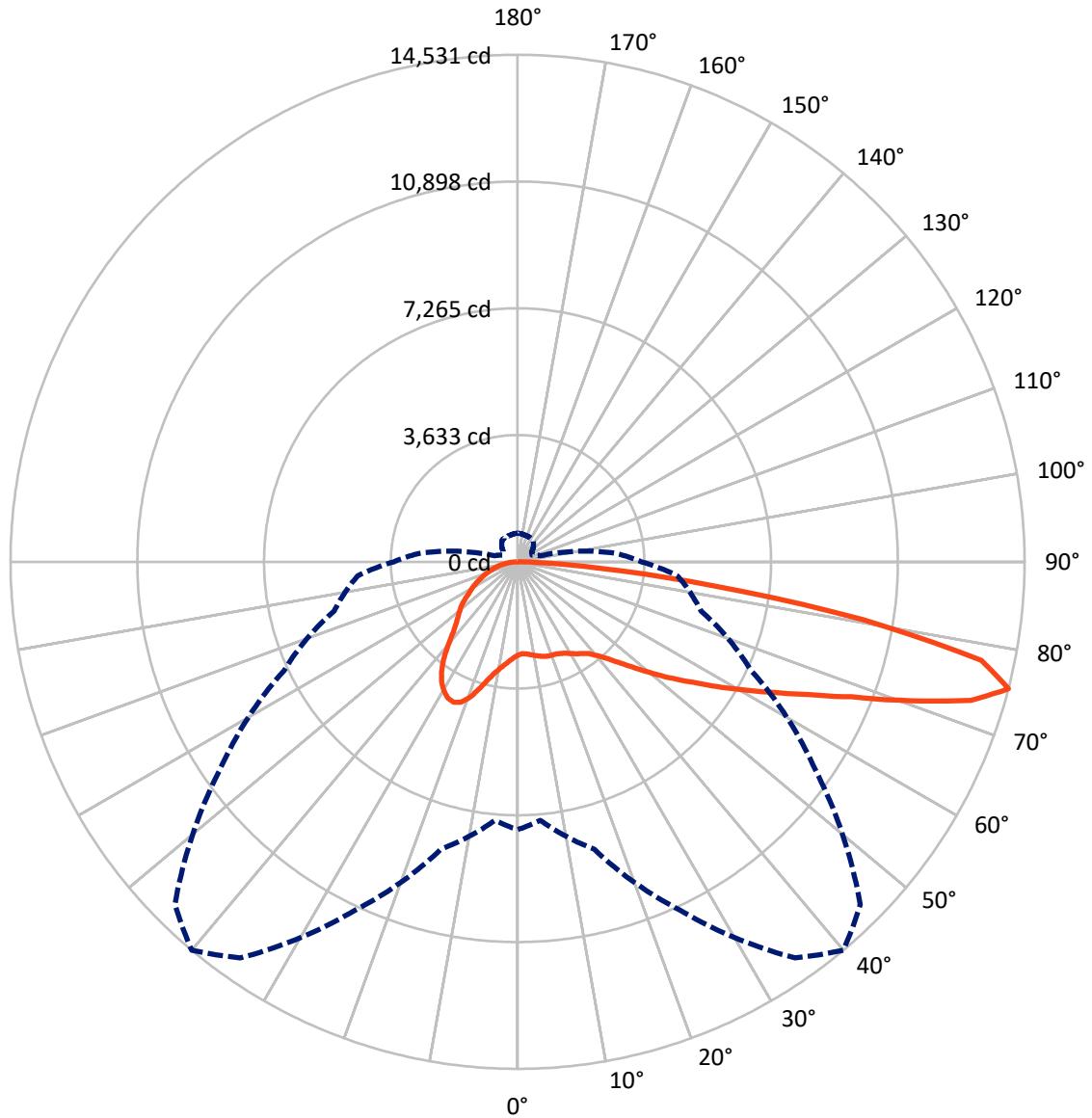
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	7233.4	0.0	7233.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16112.6	0.0	16112.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	23346.0	0.0	23346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	1.1
10°-20°	894.7	3.8
20°-30°	1633.7	7.0
30°-40°	2317.0	9.9
40°-50°	3128.6	13.4
50°-60°	4208.8	18.0
60°-70°	5341.9	22.9
70°-80°	4848.1	20.8
80°-90°	706.7	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°	23346.0	100.0
0°-180°	23346.0	100.0

Coefficient of Utilization

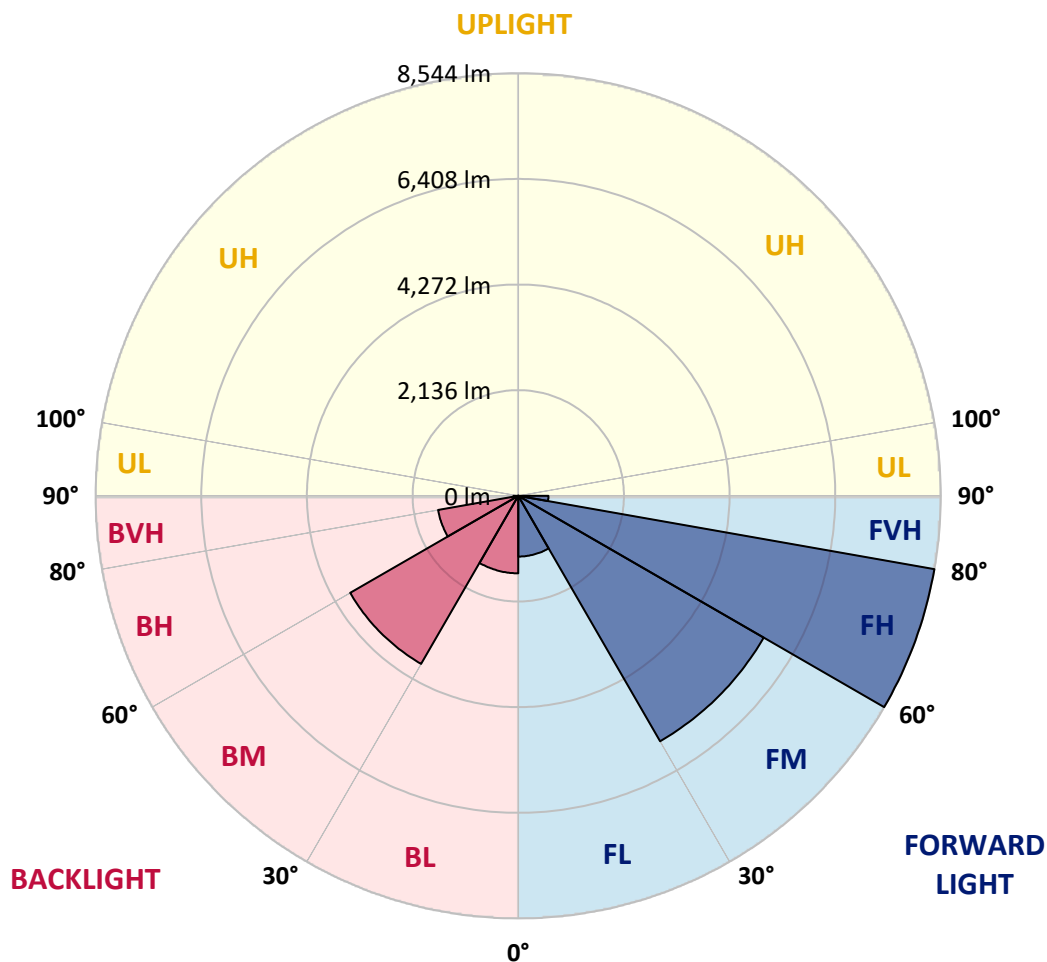


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1228.0	5.3			
FM (30°-60°)	5730.9	24.5			
FH (60°-80°)	8544.3	36.6			G4/12000
FVH (80°-90°)	609.4	2.6			G4/750
BL (0°-30°)	1566.8	6.7	B3/2500		
BM (30°-60°)	3923.5	16.8	B3/5000		
BH (60°-80°)	1645.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	97.3	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°	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6
2.5°	2628.8	2643.6	2639.9	2635.0	2635.0	2636.2	2635.0	2643.6	2652.3	2661.0
5°	2656.0	2670.9	2663.5	2657.3	2652.3	2651.1	2647.4	2646.1	2651.1	2662.2
7.5°	2709.3	2724.1	2713.0	2701.8	2691.9	2687.0	2682.0	2674.6	2670.9	2677.1
10°	2768.7	2783.6	2769.9	2750.1	2734.0	2727.8	2722.9	2715.5	2710.5	2714.2
12.5°	2828.1	2843.0	2824.4	2797.2	2776.1	2772.4	2766.2	2763.8	2762.5	2761.3
15°	2883.9	2896.2	2872.7	2840.5	2818.2	2812.0	2805.9	2809.6	2815.8	2823.2
17.5°	2927.2	2939.6	2904.9	2862.8	2841.8	2839.3	2835.6	2848.0	2865.3	2883.9
20°	2966.8	2979.2	2934.6	2877.7	2852.9	2852.9	2854.1	2880.1	2904.9	2932.2
22.5°	3022.5	3032.5	2978.0	2900.0	2864.0	2866.5	2876.4	2902.4	2933.4	2970.5
25°	3105.5	3112.9	3046.1	2942.1	2901.2	2908.6	2917.3	2929.7	2959.4	3002.7
27.5°	3239.2	3245.4	3157.5	3016.4	2954.4	2966.8	2979.2	2970.5	2984.2	3021.3
30°	3427.4	3431.2	3319.7	3132.7	3044.8	3051.0	3053.5	3017.6	2991.6	3021.3
32.5°	3650.3	3649.1	3516.6	3273.9	3147.6	3141.4	3120.4	3049.8	2989.1	3015.1
35°	3995.8	3982.2	3811.3	3472.0	3264.0	3225.6	3176.1	3085.7	3001.5	3008.9
37.5°	4567.9	4525.8	4289.3	3796.4	3437.4	3339.5	3266.5	3143.9	3028.7	3006.4
40°	5213.0	5159.7	4899.7	4241.0	3697.4	3540.1	3422.5	3226.9	3073.3	3017.6
42.5°	5978.2	5902.7	5622.8	4764.7	4026.8	3798.9	3621.9	3332.1	3138.9	3053.5
45°	6918.0	6817.8	6421.5	5355.4	4441.6	4138.2	3901.7	3491.8	3239.2	3122.8
47.5°	7867.8	7892.5	7329.1	6031.5	4939.3	4556.7	4252.1	3732.1	3385.3	3234.3
50°	8876.9	8894.3	8231.8	6780.6	5504.0	5029.7	4645.9	4000.8	3588.4	3392.8
52.5°	9664.5	9666.9	9051.5	7564.4	6092.1	5549.8	5070.6	4307.8	3823.7	3603.3
55°	10157.3	10151.1	9626.1	8306.1	6768.2	6095.9	5541.1	4657.0	4111.0	3850.9
57.5°	10515.1	10496.6	10022.3	8943.8	7488.9	6741.0	6073.6	5053.3	4450.2	4145.6
60°	10651.3	10640.2	10291.0	9494.8	8246.7	7454.2	6687.7	5496.5	4835.3	4493.6
62.5°	10703.3	10724.4	10554.8	10028.5	9057.7	8244.2	7362.6	6026.5	5268.7	4887.3
65°	10886.6	10925.0	10890.3	10726.9	9974.0	9169.2	8257.8	6656.8	5741.7	5309.6
67.5°	11249.4	11287.8	11302.7	11562.7	11093.4	10322.0	9374.7	7441.8	6295.2	5747.9
70°	11240.7	11229.6	11492.1	12227.6	12495.1	11918.1	10880.4	8407.7	6955.2	6112.0
72.5°	10231.6	10142.4	10762.8	12220.2	13661.5	13584.7	12719.2	9653.3	7524.8	6156.5
75°	7675.9	7438.1	8534.0	11012.9	13855.9	14530.8	13888.1	10426.0	7389.8	5439.6
77.5°	3282.6	3043.6	4335.1	8152.6	12401.0	13583.5	12815.8	9096.1	5899.0	3597.1
80°	859.3	858.1	1310.1	3696.1	8433.7	10031.0	8800.2	5874.2	3370.5	1285.3
82.5°	355.4	346.7	481.7	1437.6	4120.9	5629.0	4593.9	2620.1	1217.2	347.9
85°	132.5	131.3	234.0	496.5	1453.7	2321.7	1680.3	669.9	303.4	169.6
87.5°	37.1	35.9	50.8	172.1	354.1	537.4	287.3	110.2	85.4	66.9
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°
2669.6	0°	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6	2669.6
2674.6	2.5°	2678.3	2684.5	2695.6	2704.3	2715.5	2727.8	2745.2	2756.3	2767.5	2774.9
2680.8	5°	2689.5	2703.1	2731.6	2760.0	2793.5	2824.4	2860.3	2886.3	2907.4	2913.6
2703.1	7.5°	2714.2	2736.5	2784.8	2833.1	2886.3	2937.1	2989.1	3033.7	3069.6	3083.2
2742.7	10°	2757.6	2787.3	2855.4	2923.5	2994.1	3072.1	3138.9	3203.3	3254.1	3275.1
2789.8	12.5°	2812.0	2849.2	2938.3	3032.5	3130.3	3238.0	3324.7	3403.9	3467.1	3495.6
2855.4	15°	2882.6	2930.9	3044.8	3171.1	3314.8	3464.6	3574.8	3662.7	3733.3	3768.0
2923.5	17.5°	2959.4	3023.8	3167.4	3358.1	3563.7	3760.5	3889.3	3953.7	4026.8	4060.2
2986.6	20°	3033.7	3112.9	3318.5	3595.8	3869.5	4078.8	4182.8	4200.1	4205.1	4208.8
3046.1	22.5°	3110.5	3216.9	3507.9	3895.5	4189.0	4333.8	4348.7	4274.4	4170.4	4122.1
3104.3	25°	3194.7	3335.8	3755.6	4226.1	4463.9	4481.2	4367.3	4186.5	3989.6	3899.2
3151.3	27.5°	3276.4	3473.3	4052.8	4541.9	4662.0	4509.7	4264.5	4008.2	3770.4	3675.1
3184.8	30°	3358.1	3630.5	4380.9	4818.0	4752.4	4439.1	4102.3	3816.3	3577.3	3477.0
3214.5	32.5°	3441.1	3813.8	4758.6	5017.3	4736.3	4289.3	3900.5	3600.8	3390.3	3285.1
3240.5	35°	3535.2	4039.1	5116.4	5126.3	4628.5	4068.9	3634.2	3343.2	3160.0	3075.8
3271.4	37.5°	3657.8	4325.2	5432.2	5153.6	4440.3	3745.7	3303.6	3038.6	2887.6	2849.2
3317.2	40°	3810.1	4669.4	5673.6	5110.2	4161.7	3353.2	2942.1	2730.3	2644.9	2653.5
3379.2	42.5°	4008.2	5054.5	5843.3	4998.8	3774.2	2948.3	2625.1	2531.0	2571.8	2606.5
3472.0	45°	4265.7	5454.4	5948.5	4809.3	3335.8	2605.3	2438.1	2460.4	2491.3	2495.1
3621.9	47.5°	4595.1	5859.4	6017.8	4523.3	2888.8	2363.8	2319.2	2324.2	2318.0	2292.0
3846.0	50°	5006.2	6253.1	6079.8	4144.4	2508.7	2212.7	2153.3	2136.0	2050.5	1966.3
4144.4	52.5°	5474.3	6614.7	6105.8	3673.9	2212.7	2086.4	1989.9	1880.9	1721.2	1695.2
4519.6	55°	5994.3	6949.0	6038.9	3095.6	1963.8	1924.2	1778.1	1646.9	1629.5	1607.2
5013.6	57.5°	6615.9	7309.3	5902.7	2450.5	1708.8	1734.8	1592.4	1607.2	1576.3	1541.6
5648.9	60°	7295.7	7682.0	5663.7	1862.3	1445.0	1498.3	1544.1	1542.8	1534.2	1505.7
6318.7	62.5°	7907.4	7927.2	5193.2	1426.5	1213.5	1315.0	1440.1	1438.8	1431.4	1415.3
7018.3	65°	8271.4	7890.1	4408.1	1123.1	1022.8	1163.9	1298.9	1308.8	1310.1	1308.8
7544.6	67.5°	8207.1	7455.4	3330.9	894.0	865.5	1010.4	1159.0	1172.6	1182.5	1185.0
7611.5	70°	7479.0	6500.8	2171.9	713.2	725.6	875.4	1026.5	1040.1	1048.8	1058.7
6604.8	72.5°	5829.6	4779.6	1243.2	577.0	603.0	759.0	895.2	911.3	916.3	934.9
4596.3	75°	3552.5	2810.8	671.1	454.4	495.3	648.8	765.2	783.8	792.5	814.8
2257.3	77.5°	1689.0	1217.2	382.6	354.1	398.7	530.0	646.4	667.4	643.9	656.3
622.8	80°	570.8	452.0	241.5	269.9	304.6	413.6	517.6	538.6	489.1	486.6
206.8	82.5°	199.4	183.3	153.5	179.5	196.9	295.9	391.3	418.5	364.0	362.8
92.9	85°	78.0	74.3	85.4	97.8	117.6	182.0	257.6	271.2	224.1	180.8
27.2	87.5°	16.1	17.3	21.1	22.3	35.9	63.2	92.9	113.9	90.4	76.8
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°
2669.6
2769.9
2916.1
3084.5
3276.4
3495.6
3765.5
4059.0
4218.7
4135.7
3912.8
3686.2
3488.1
3298.7
3094.4
2876.4
2683.3
2638.7
2519.8
2311.8
1977.5
1703.8
1611.0
1535.4
1495.8
1409.1
1308.8
1187.5
1063.6
942.3
817.2
646.4
481.7
345.5
178.3
70.6
0.0

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