

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: P848443

Luminaire Tested: **GLAN-SB5A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848443
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-SB5A-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22042 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

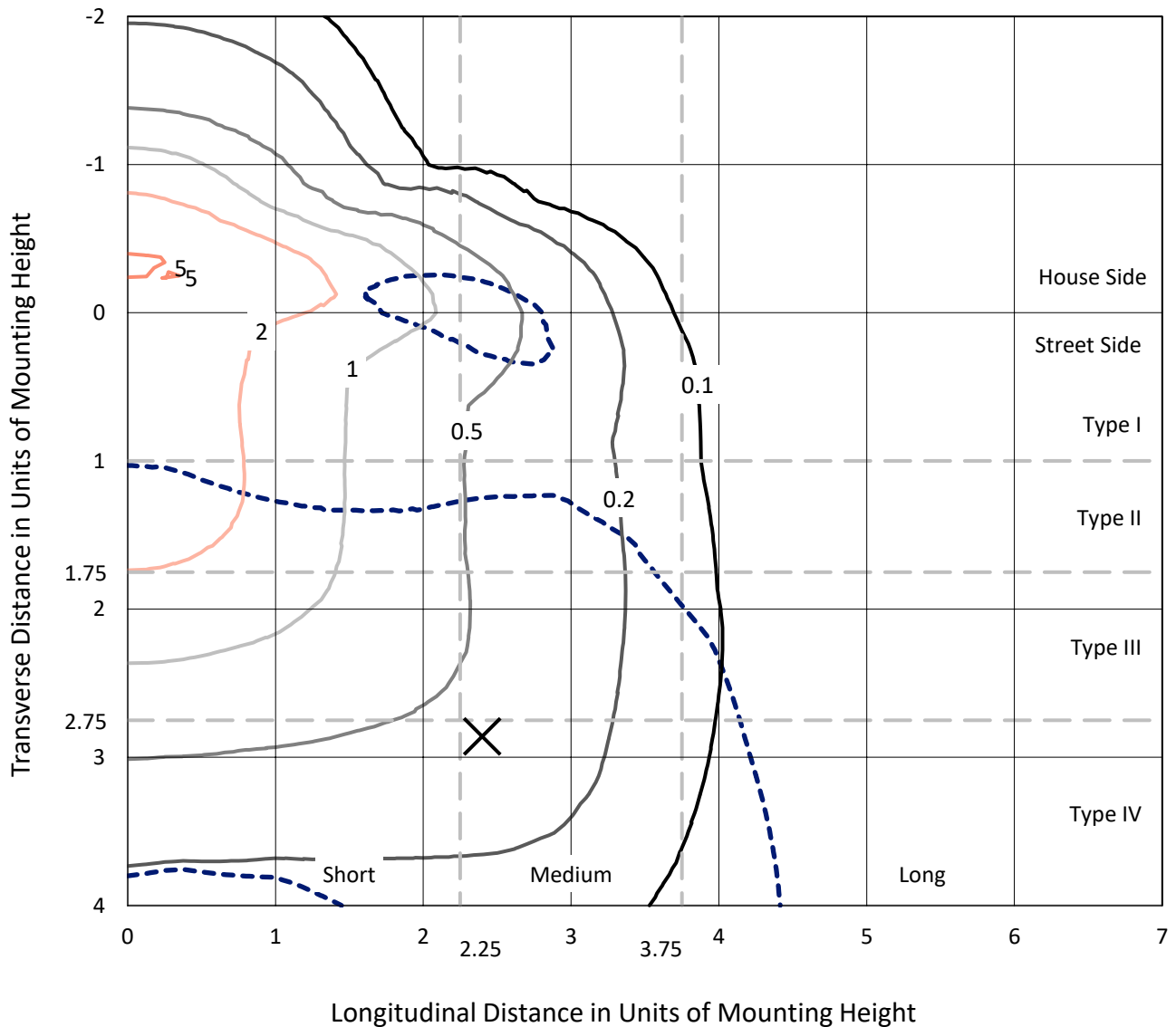
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

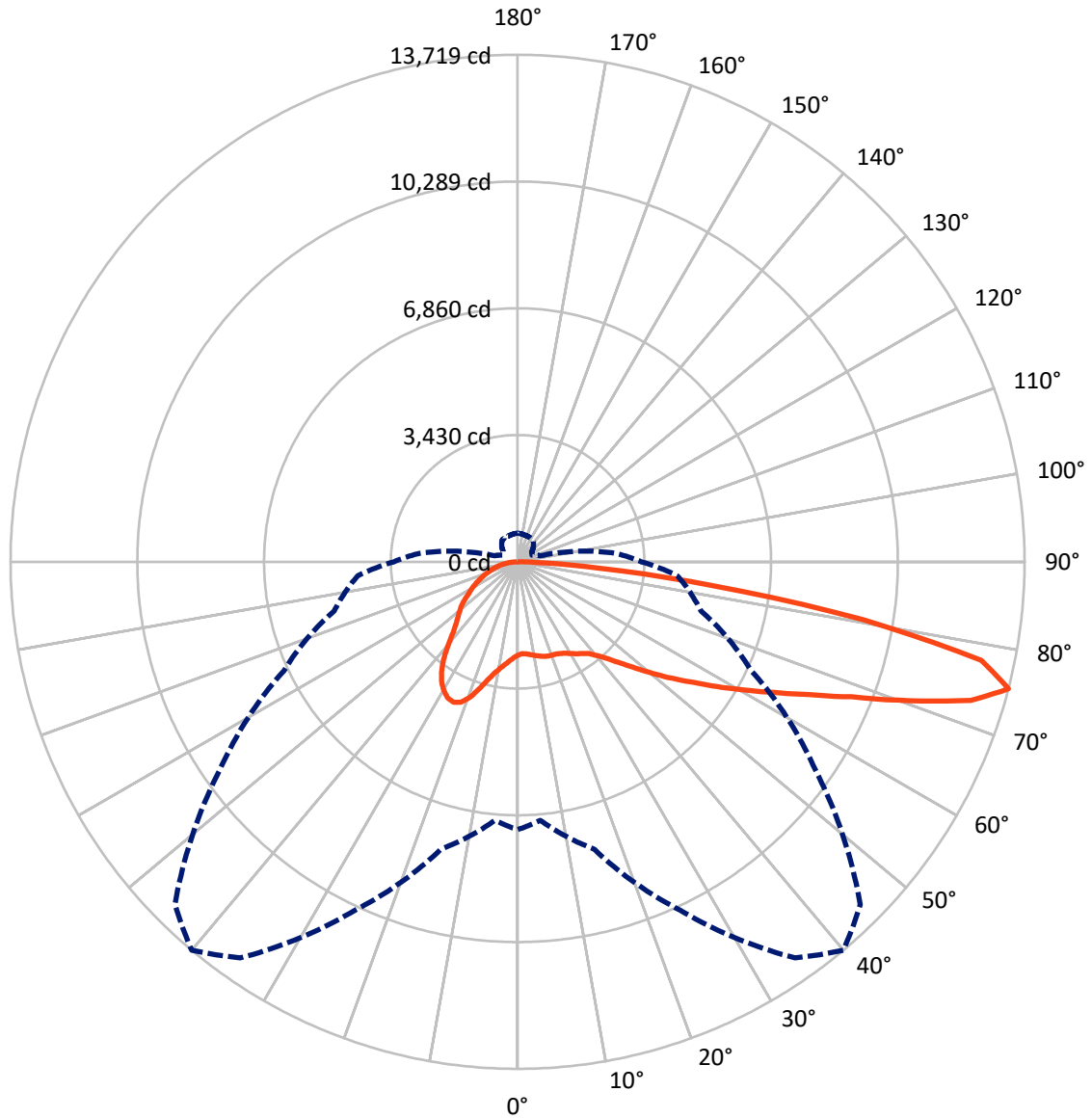
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	6829.4	0.0	6829.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15212.7	0.0	15212.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	22042.0	0.0	22042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.6	1.1
10°-20°	844.7	3.8
20°-30°	1542.4	7.0
30°-40°	2187.6	9.9
40°-50°	2953.9	13.4
50°-60°	3973.7	18.0
60°-70°	5043.6	22.9
70°-80°	4577.3	20.8
80°-90°	667.2	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°	22042.0	100.0
0°-180°	22042.0	100.0

Coefficient of Utilization

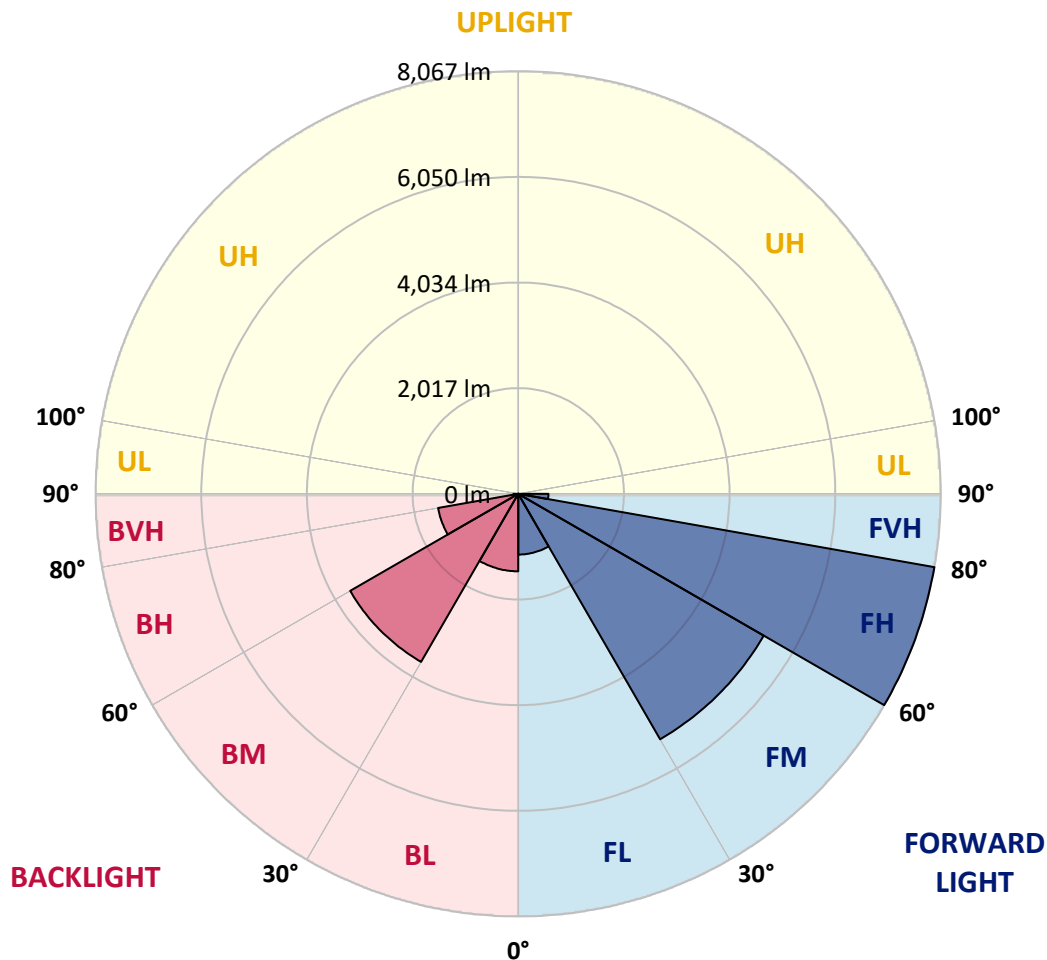


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1159.4	5.3			
FM (30°-60°)	5410.8	24.5			
FH (60°-80°)	8067.0	36.6			G4/12000
FVH (80°-90°)	575.4	2.6			G4/750
BL (0°-30°)	1479.3	6.7	B3/2500		
BM (30°-60°)	3704.3	16.8	B3/5000		
BH (60°-80°)	1553.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	91.9	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°	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5
2.5°	2482.0	2496.0	2492.5	2487.8	2487.8	2489.0	2487.8	2496.0	2504.2	2512.3
5°	2507.7	2521.7	2514.7	2508.8	2504.2	2503.0	2499.5	2498.3	2503.0	2513.5
7.5°	2557.9	2572.0	2561.4	2550.9	2541.6	2536.9	2532.2	2525.2	2521.7	2527.5
10°	2614.1	2628.1	2615.2	2596.5	2581.3	2575.5	2570.8	2563.8	2559.1	2562.6
12.5°	2670.2	2684.2	2666.7	2640.9	2621.1	2617.6	2611.7	2609.4	2608.2	2607.0
15°	2722.8	2734.5	2712.3	2681.9	2660.8	2655.0	2649.1	2652.6	2658.5	2665.5
17.5°	2763.7	2775.4	2742.7	2702.9	2683.0	2680.7	2677.2	2688.9	2705.2	2722.8
20°	2801.1	2812.8	2770.7	2716.9	2693.6	2693.6	2694.7	2719.3	2742.7	2768.4
22.5°	2853.7	2863.1	2811.6	2738.0	2704.1	2706.4	2715.8	2740.3	2769.5	2804.6
25°	2932.0	2939.1	2875.9	2777.7	2739.1	2746.2	2754.3	2766.0	2794.1	2835.0
27.5°	3058.3	3064.2	2981.1	2847.9	2789.4	2801.1	2812.8	2804.6	2817.5	2852.6
30°	3236.0	3239.5	3134.3	2957.8	2874.8	2880.6	2882.9	2849.0	2824.5	2852.6
32.5°	3446.4	3445.3	3320.2	3091.0	2971.8	2966.0	2946.1	2879.4	2822.2	2846.7
35°	3772.6	3759.8	3598.4	3278.1	3081.7	3045.4	2998.7	2913.3	2833.8	2840.9
37.5°	4312.7	4273.0	4049.7	3584.4	3245.4	3153.0	3084.0	2968.3	2859.6	2838.5
40°	4921.8	4871.5	4626.0	4004.1	3490.9	3342.4	3231.3	3046.6	2901.7	2849.0
42.5°	5644.3	5573.0	5308.8	4498.6	3801.8	3586.7	3419.6	3146.0	2963.6	2882.9
45°	6531.6	6436.9	6062.8	5056.3	4193.5	3907.1	3683.8	3296.8	3058.3	2948.4
47.5°	7428.3	7451.7	6919.8	5694.6	4663.5	4302.2	4014.6	3523.6	3196.3	3053.6
50°	8381.1	8397.5	7772.0	6401.9	5196.6	4748.8	4386.4	3777.3	3388.0	3203.3
52.5°	9124.7	9127.0	8546.0	7141.9	5751.9	5239.8	4787.4	4067.2	3610.1	3402.0
55°	9589.9	9584.1	9088.4	7842.2	6390.2	5755.4	5231.6	4396.9	3881.3	3635.8
57.5°	9927.8	9910.3	9462.5	8444.3	7070.6	6364.5	5734.3	4771.0	4201.7	3914.1
60°	10056.4	10045.9	9716.2	8964.5	7786.1	7037.8	6314.2	5189.5	4565.2	4242.6
62.5°	10105.5	10125.4	9965.2	9468.4	8551.8	7783.7	6951.3	5689.9	4974.4	4614.4
65°	10278.5	10314.8	10282.0	10127.7	9416.9	8657.0	7796.6	6285.0	5421.0	5013.0
67.5°	10621.1	10657.3	10671.3	10916.8	10473.8	9745.4	8851.1	7026.2	5943.6	5426.9
70°	10612.9	10602.4	10850.2	11544.6	11797.2	11252.4	10272.7	7938.0	6566.7	5770.6
72.5°	9660.1	9575.9	10161.6	11537.6	12898.4	12826.0	12008.8	9114.1	7104.5	5812.7
75°	7247.1	7022.7	8057.3	10397.8	13082.0	13719.1	13112.4	9843.6	6977.1	5135.8
77.5°	3099.2	2873.6	4092.9	7697.2	11708.3	12824.8	12100.0	8588.0	5569.5	3396.2
80°	811.3	810.2	1236.9	3489.7	7962.6	9470.7	8308.6	5546.1	3182.2	1213.5
82.5°	335.5	327.3	454.8	1357.3	3890.7	5314.6	4337.3	2473.8	1149.2	328.5
85°	125.1	123.9	221.0	468.8	1372.5	2192.0	1586.4	632.5	286.4	160.2
87.5°	35.1	33.9	47.9	162.5	334.4	507.4	271.2	104.0	80.7	63.1
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°
2520.5	0°	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5	2520.5
2525.2	2.5°	2528.7	2534.6	2545.1	2553.3	2563.8	2575.5	2591.8	2602.4	2612.9	2619.9
2531.1	5°	2539.2	2552.1	2579.0	2605.9	2637.4	2666.7	2700.6	2725.1	2745.0	2750.8
2552.1	7.5°	2562.6	2583.7	2629.3	2674.9	2725.1	2773.1	2822.2	2864.2	2898.1	2911.0
2589.5	10°	2603.5	2631.6	2695.9	2760.2	2826.8	2900.5	2963.6	3024.4	3072.3	3092.2
2633.9	12.5°	2655.0	2690.0	2774.2	2863.1	2955.4	3057.1	3139.0	3213.8	3273.4	3300.3
2695.9	15°	2721.6	2767.2	2874.8	2994.0	3129.6	3271.1	3375.1	3458.1	3524.8	3557.5
2760.2	17.5°	2794.1	2854.9	2990.5	3170.5	3364.6	3550.5	3672.1	3732.9	3801.8	3833.4
2819.8	20°	2864.2	2939.1	3133.1	3395.0	3653.4	3850.9	3949.1	3965.5	3970.2	3973.7
2875.9	22.5°	2936.7	3037.3	3312.0	3677.9	3955.0	4091.8	4105.8	4035.7	3937.5	3891.9
2930.9	25°	3016.2	3149.5	3545.8	3990.1	4214.5	4230.9	4123.3	3952.7	3766.8	3681.4
2975.3	27.5°	3093.4	3279.3	3826.4	4288.2	4401.6	4257.8	4026.3	3784.3	3559.8	3469.8
3006.9	30°	3170.5	3427.7	4136.2	4548.9	4486.9	4191.1	3873.2	3603.1	3377.5	3282.8
3034.9	32.5°	3248.9	3600.8	4492.8	4737.1	4471.7	4049.7	3682.6	3399.7	3200.9	3101.6
3059.5	35°	3337.7	3813.5	4830.6	4840.0	4370.0	3841.6	3431.2	3156.5	2983.5	2904.0
3088.7	37.5°	3453.5	4083.6	5128.7	4865.7	4192.3	3536.5	3119.1	2868.9	2726.3	2690.0
3132.0	40°	3597.3	4408.6	5356.7	4824.8	3929.3	3165.9	2777.7	2577.8	2497.2	2505.3
3190.4	42.5°	3784.3	4772.2	5516.9	4719.6	3563.3	2783.6	2478.4	2389.6	2428.2	2460.9
3278.1	45°	4027.5	5149.8	5616.3	4540.7	3149.5	2459.7	2301.9	2323.0	2352.2	2355.7
3419.6	47.5°	4338.4	5532.1	5681.7	4270.6	2727.5	2231.8	2189.7	2194.4	2188.5	2164.0
3631.2	50°	4726.6	5903.8	5740.2	3912.9	2368.6	2089.1	2033.0	2016.7	1936.0	1856.5
3912.9	52.5°	5168.5	6245.2	5764.7	3468.7	2089.1	1969.9	1878.7	1775.8	1625.0	1600.5
4267.1	55°	5659.5	6560.9	5701.6	2922.7	1854.2	1816.7	1678.8	1554.9	1538.5	1517.5
4733.6	57.5°	6246.4	6901.1	5573.0	2313.6	1613.3	1637.9	1503.4	1517.5	1488.2	1455.5
5333.3	60°	6888.2	7253.0	5347.4	1758.3	1364.3	1414.6	1457.8	1456.7	1448.5	1421.6
5965.8	62.5°	7465.7	7484.4	4903.1	1346.8	1145.7	1241.6	1359.6	1358.5	1351.5	1336.3
6626.3	65°	7809.4	7449.4	4161.9	1060.4	965.7	1098.9	1226.4	1235.7	1236.9	1235.7
7123.2	67.5°	7748.6	7039.0	3144.8	844.1	817.2	954.0	1094.3	1107.1	1116.5	1118.8
7186.3	70°	7061.2	6137.7	2050.6	673.4	685.1	826.5	969.2	982.0	990.2	999.6
6235.9	72.5°	5504.0	4512.6	1173.8	544.8	569.3	716.6	845.2	860.4	865.1	882.7
4339.6	75°	3354.1	2653.8	633.6	429.1	467.6	612.6	722.5	740.0	748.2	769.3
2131.2	77.5°	1594.6	1149.2	361.2	334.4	376.4	500.4	610.3	630.1	607.9	619.6
588.0	80°	538.9	426.7	228.0	254.9	287.6	390.5	488.7	508.5	461.8	459.4
195.2	82.5°	188.2	173.0	145.0	169.5	185.9	279.4	369.4	395.1	343.7	342.5
87.7	85°	73.7	70.1	80.7	92.4	111.1	171.9	243.2	256.0	211.6	170.7
25.7	87.5°	15.2	16.4	19.9	21.0	33.9	59.6	87.7	107.6	85.3	72.5
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°
2520.5
2615.2
2753.2
2912.2
3093.4
3300.3
3555.2
3832.2
3983.0
3904.7
3694.3
3480.3
3293.3
3114.4
2921.5
2715.8
2533.4
2491.3
2379.1
2182.7
1867.0
1608.7
1521.0
1449.7
1412.2
1330.4
1235.7
1121.1
1004.2
889.7
771.6
610.3
454.8
326.2
168.3
66.6
0.0

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