

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: P849093

Luminaire Tested: **GLAN-SB6A-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849093
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-SB6A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 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: 21086 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

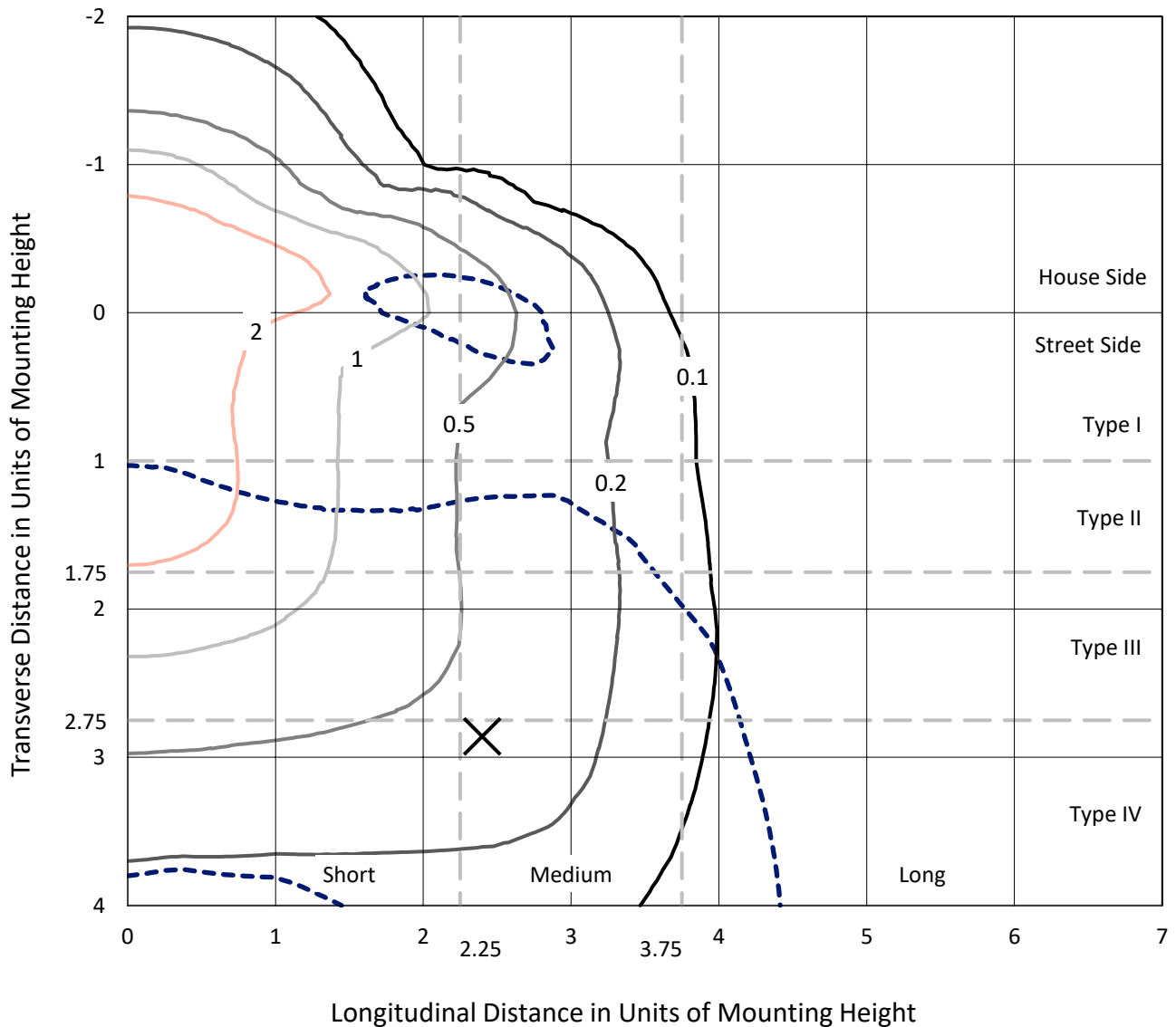
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

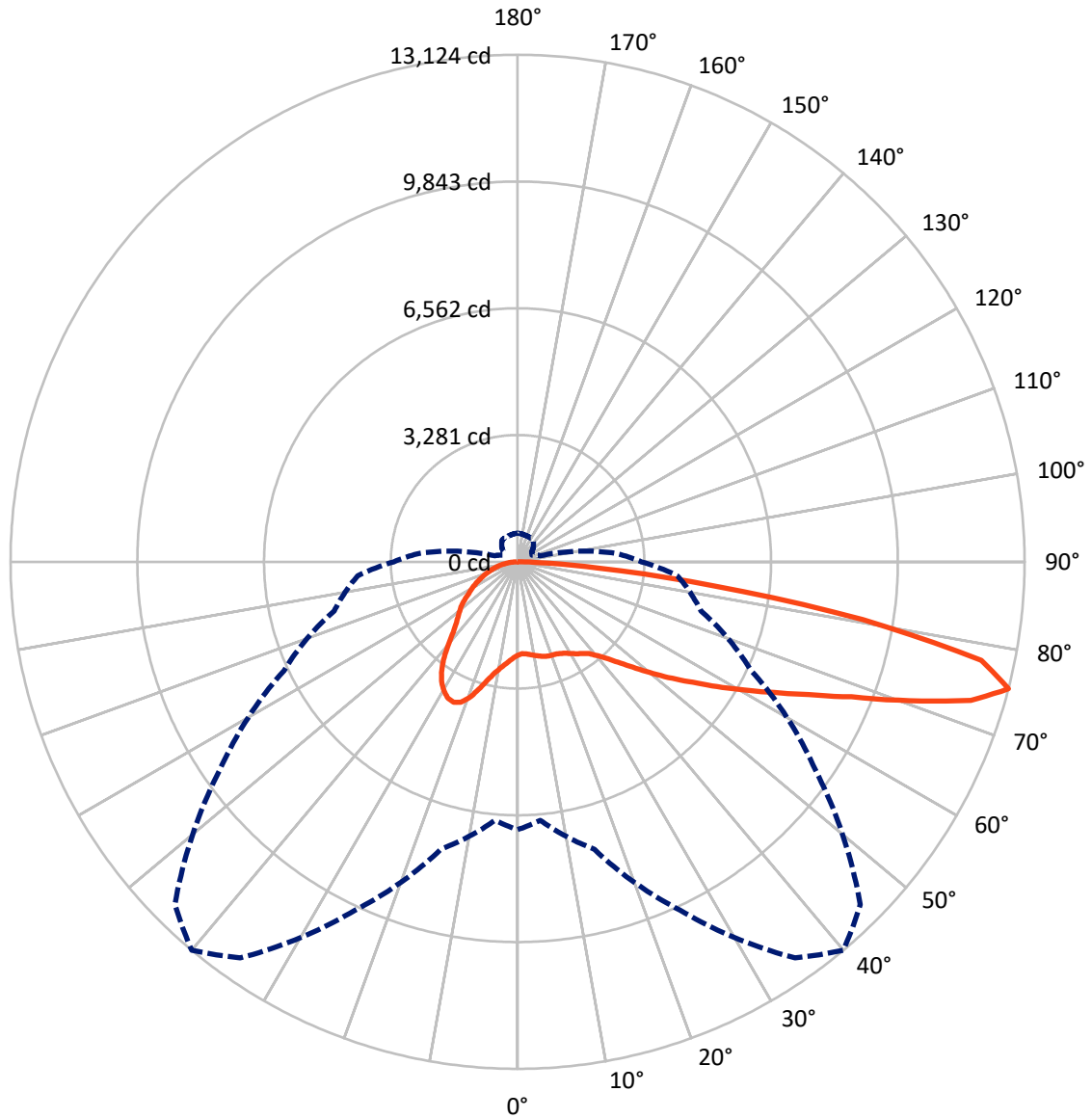
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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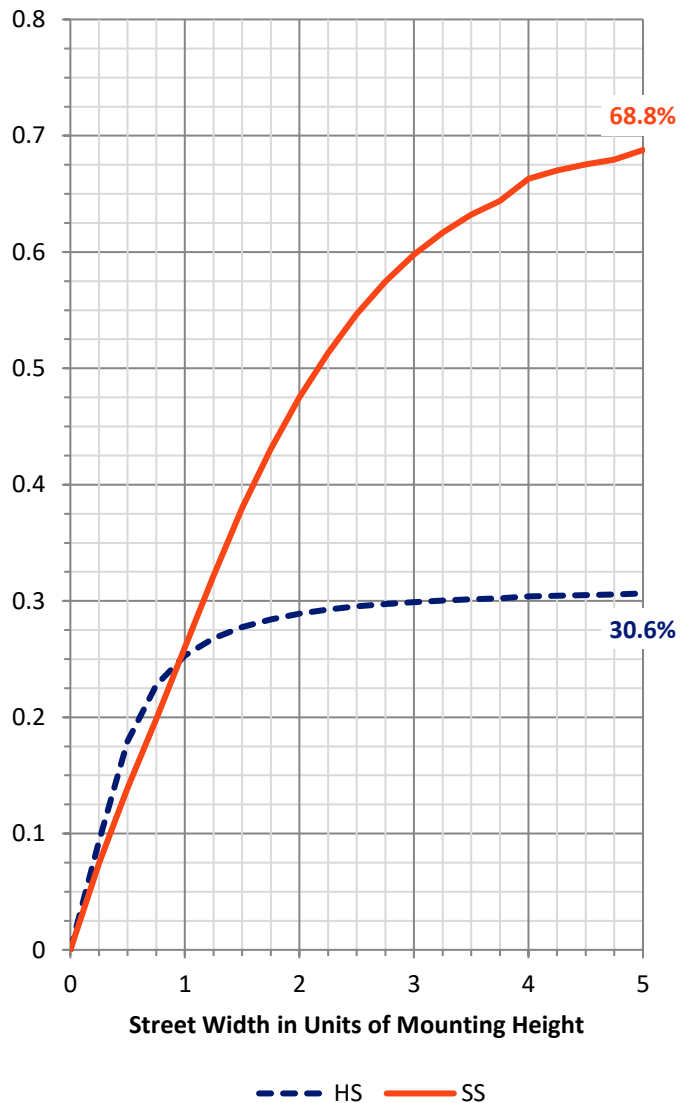
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6533.1	0.0	6533.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14552.9	0.0	14552.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	21086.0	0.0	21086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.7	1.1
10°-20°	808.1	3.8
20°-30°	1475.5	7.0
30°-40°	2092.7	9.9
40°-50°	2825.7	13.4
50°-60°	3801.4	18.0
60°-70°	4824.8	22.9
70°-80°	4378.8	20.8
80°-90°	638.3	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°	21086.0	100.0
0°-180°	21086.0	100.0

Coefficient of Utilization

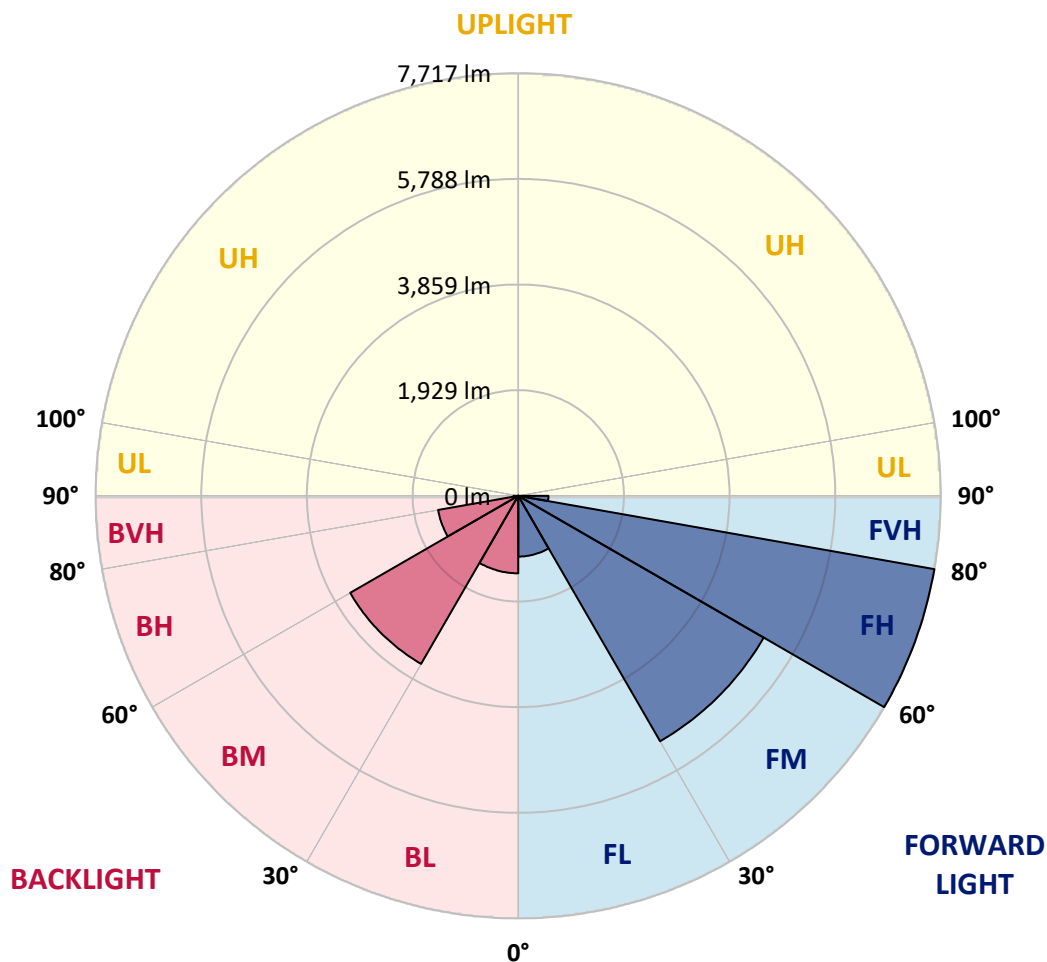


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1109.1	5.3			
FM (30°-60°)	5176.1	24.5			
FH (60°-80°)	7717.2	36.6			G4/12000
FVH (80°-90°)	550.4	2.6			G4/750
BL (0°-30°)	1415.1	6.7	B3/2500		
BM (30°-60°)	3543.6	16.8	B3/5000		
BH (60°-80°)	1486.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	87.9	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°	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2
2.5°	2374.3	2387.7	2384.4	2379.9	2379.9	2381.0	2379.9	2387.7	2395.6	2403.4
5°	2398.9	2412.3	2405.6	2400.0	2395.6	2394.4	2391.1	2390.0	2394.4	2404.5
7.5°	2447.0	2460.4	2450.4	2440.3	2431.3	2426.9	2422.4	2415.7	2412.3	2417.9
10°	2500.7	2514.1	2501.8	2483.9	2469.4	2463.8	2459.3	2452.6	2448.1	2451.5
12.5°	2554.4	2567.8	2551.0	2526.4	2507.4	2504.0	2498.4	2496.2	2495.1	2494.0
15°	2604.7	2615.9	2594.6	2565.5	2545.4	2539.8	2534.2	2537.6	2543.2	2549.9
17.5°	2643.8	2655.0	2623.7	2585.7	2566.7	2564.4	2561.1	2572.3	2587.9	2604.7
20°	2679.6	2690.8	2650.5	2599.1	2576.7	2576.7	2577.8	2601.3	2623.7	2648.3
22.5°	2729.9	2738.9	2689.7	2619.2	2586.8	2589.0	2598.0	2621.5	2649.4	2683.0
25°	2804.9	2811.6	2751.2	2657.3	2620.3	2627.1	2634.9	2646.1	2672.9	2712.1
27.5°	2925.7	2931.3	2851.9	2724.4	2668.4	2679.6	2690.8	2683.0	2695.3	2728.8
30°	3095.7	3099.0	2998.4	2829.5	2750.1	2755.7	2757.9	2725.5	2702.0	2728.8
32.5°	3297.0	3295.8	3176.2	2957.0	2842.9	2837.3	2818.3	2754.6	2699.8	2723.2
35°	3609.0	3596.7	3442.4	3135.9	2948.0	2913.4	2868.6	2787.0	2710.9	2717.6
37.5°	4125.7	4087.7	3874.0	3428.9	3104.6	3016.3	2950.3	2839.5	2735.5	2715.4
40°	4708.4	4660.3	4425.4	3830.4	3339.5	3197.4	3091.2	2914.5	2775.8	2725.5
42.5°	5399.5	5331.3	5078.5	4303.5	3636.9	3431.2	3271.2	3009.5	2835.1	2757.9
45°	6248.3	6157.8	5799.9	4837.0	4011.6	3737.6	3524.0	3153.8	2925.7	2820.5
47.5°	7106.1	7128.5	6619.6	5447.6	4461.2	4115.6	3840.5	3370.8	3057.6	2921.2
50°	8017.6	8033.3	7434.9	6124.2	4971.2	4542.8	4196.1	3613.5	3241.0	3064.3
52.5°	8728.9	8731.1	8175.3	6832.1	5502.4	5012.5	4579.7	3890.8	3453.5	3254.5
55°	9174.0	9168.4	8694.2	7502.0	6113.0	5505.8	5004.7	4206.2	3713.0	3478.1
57.5°	9497.2	9480.4	9052.1	8078.0	6763.9	6088.4	5485.6	4564.1	4019.4	3744.3
60°	9620.2	9610.2	9294.8	8575.7	7448.4	6732.6	6040.3	4964.5	4367.2	4058.6
62.5°	9667.2	9686.2	9533.0	9057.7	8180.9	7446.1	6649.8	5443.1	4758.7	4414.2
65°	9832.7	9867.4	9836.1	9688.5	9008.5	8281.6	7458.4	6012.4	5185.9	4795.6
67.5°	10160.4	10195.1	10208.5	10443.4	10019.5	9322.8	8467.2	6721.4	5685.8	5191.5
70°	10152.6	10142.5	10379.6	11043.9	11285.5	10764.3	9827.1	7593.8	6281.9	5520.3
72.5°	9241.1	9160.6	9720.9	11037.2	12339.0	12269.7	11487.9	8718.8	6796.4	5560.6
75°	6932.8	6718.1	7707.8	9946.8	12514.6	13124.1	12543.7	9416.7	6674.5	4913.0
77.5°	2964.8	2749.0	3915.4	7363.4	11200.5	12268.6	11575.2	8215.6	5327.9	3248.9
80°	776.2	775.0	1183.2	3338.3	7617.2	9059.9	7948.3	5305.6	3044.2	1160.9
82.5°	321.0	313.1	435.0	1298.4	3721.9	5084.1	4149.2	2366.5	1099.4	314.3
85°	119.7	118.5	211.4	448.5	1313.0	2096.9	1517.6	605.0	274.0	153.2
87.5°	33.6	32.4	45.9	155.5	319.9	485.4	259.5	99.5	77.2	60.4
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°
2411.2	0°	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2
2415.7	2.5°	2419.0	2424.6	2434.7	2442.5	2452.6	2463.8	2479.4	2489.5	2499.6	2506.3
2421.3	5°	2429.1	2441.4	2467.1	2492.9	2523.0	2551.0	2583.4	2606.9	2625.9	2631.5
2441.4	7.5°	2451.5	2471.6	2515.2	2558.8	2606.9	2652.8	2699.8	2740.0	2772.4	2784.7
2477.2	10°	2490.6	2517.5	2579.0	2640.5	2704.2	2774.7	2835.1	2893.2	2939.1	2958.1
2519.7	12.5°	2539.8	2573.4	2653.9	2738.9	2827.2	2924.5	3002.8	3074.4	3131.4	3157.2
2579.0	15°	2603.6	2647.2	2750.1	2864.2	2993.9	3129.2	3228.7	3308.1	3371.9	3403.2
2640.5	17.5°	2672.9	2731.1	2860.8	3033.0	3218.7	3396.5	3512.8	3571.0	3636.9	3667.1
2697.5	20°	2740.0	2811.6	2997.2	3247.8	3494.9	3683.9	3777.9	3793.5	3798.0	3801.3
2751.2	22.5°	2809.4	2905.5	3168.4	3518.4	3783.5	3914.3	3927.7	3860.6	3766.7	3723.1
2803.8	25°	2885.4	3012.9	3392.0	3817.0	4031.7	4047.4	3944.5	3781.2	3603.4	3521.8
2846.3	27.5°	2959.2	3137.0	3660.4	4102.2	4210.7	4073.1	3851.7	3620.2	3405.4	3319.3
2876.5	30°	3033.0	3279.1	3956.8	4351.6	4292.3	4009.4	3705.2	3446.8	3231.0	3140.4
2903.3	32.5°	3108.0	3444.6	4297.9	4531.6	4277.8	3874.0	3522.9	3252.2	3062.1	2967.0
2926.8	35°	3193.0	3648.1	4621.1	4630.1	4180.5	3675.0	3282.4	3019.6	2854.1	2778.0
2954.7	37.5°	3303.7	3906.5	4906.3	4654.7	4010.5	3383.1	2983.8	2744.5	2608.0	2573.4
2996.1	40°	3441.2	4217.4	5124.4	4615.5	3758.9	3028.6	2657.3	2466.0	2388.8	2396.7
3052.0	42.5°	3620.2	4565.2	5277.6	4514.9	3408.8	2662.8	2371.0	2286.0	2322.9	2354.2
3135.9	45°	3852.8	4926.4	5372.7	4343.8	3012.9	2353.1	2202.1	2222.2	2250.2	2253.5
3271.2	47.5°	4150.3	5292.1	5435.3	4085.4	2609.2	2135.0	2094.7	2099.2	2093.6	2070.1
3473.7	50°	4521.6	5647.8	5491.2	3743.2	2265.8	1998.5	1944.9	1929.2	1852.0	1776.0
3743.2	52.5°	4944.3	5974.3	5514.7	3318.2	1998.5	1884.5	1797.2	1698.8	1554.5	1531.1
4082.1	55°	5414.0	6276.3	5454.3	2795.9	1773.7	1738.0	1606.0	1487.4	1471.8	1451.6
4528.3	57.5°	5975.5	6601.8	5331.3	2213.3	1543.4	1566.8	1438.2	1451.6	1423.7	1392.4
5102.0	60°	6589.5	6938.4	5115.4	1682.0	1305.1	1353.2	1394.6	1393.5	1385.7	1359.9
5707.1	62.5°	7141.9	7159.8	4690.5	1288.4	1096.0	1187.7	1300.7	1299.5	1292.8	1278.3
6338.9	65°	7470.7	7126.3	3981.4	1014.4	923.8	1051.3	1173.2	1182.1	1183.2	1182.1
6814.2	67.5°	7412.6	6733.7	3008.4	807.5	781.7	912.6	1046.8	1059.1	1068.0	1070.3
6874.6	70°	6755.0	5871.5	1961.6	644.2	655.4	790.7	927.1	939.4	947.3	956.2
5965.4	72.5°	5265.3	4316.9	1122.8	521.2	544.6	685.6	808.6	823.1	827.6	844.4
4151.4	75°	3208.6	2538.7	606.2	410.4	447.3	586.0	691.2	707.9	715.8	735.9
2038.8	77.5°	1525.5	1099.4	345.6	319.9	360.1	478.7	583.8	602.8	581.6	592.7
562.5	80°	515.6	408.2	218.1	243.8	275.1	373.5	467.5	486.5	441.8	439.5
186.8	82.5°	180.1	165.5	138.7	162.2	177.8	267.3	353.4	378.0	328.8	327.7
83.9	85°	70.5	67.1	77.2	88.4	106.2	164.4	232.6	244.9	202.4	163.3
24.6	87.5°	14.5	15.7	19.0	20.1	32.4	57.0	83.9	102.9	81.6	69.3
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°
2411.2
2501.8
2633.8
2785.9
2959.2
3157.2
3401.0
3666.0
3810.3
3735.4
3534.1
3329.4
3150.5
2979.3
2794.8
2598.0
2423.5
2383.3
2275.9
2088.0
1786.0
1538.9
1455.0
1386.8
1351.0
1272.7
1182.1
1072.5
960.7
851.1
738.1
583.8
435.0
312.0
161.0
63.7
0.0

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