

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: P852597

Luminaire Tested: **GLAN-SB5A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21634 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

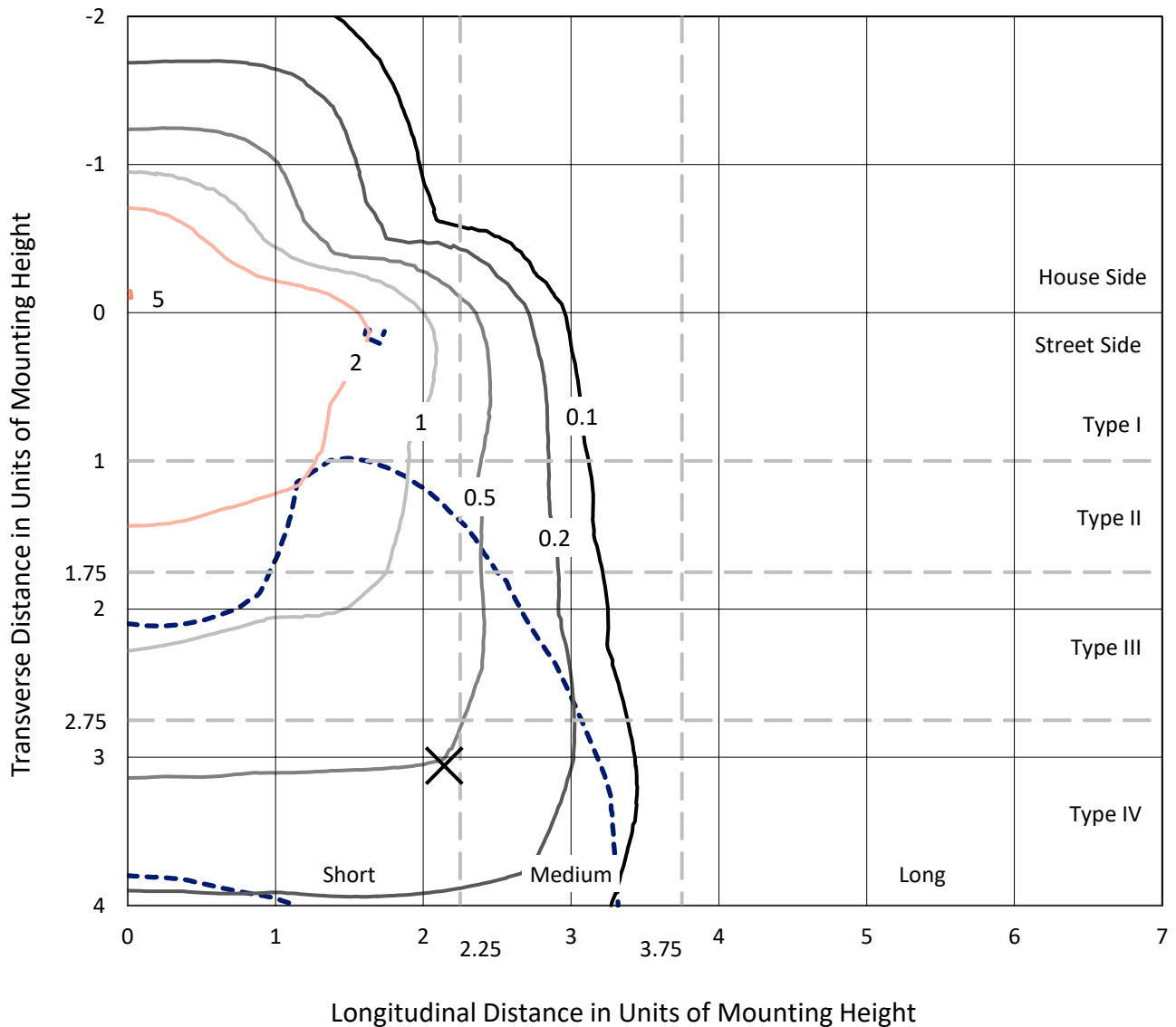
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

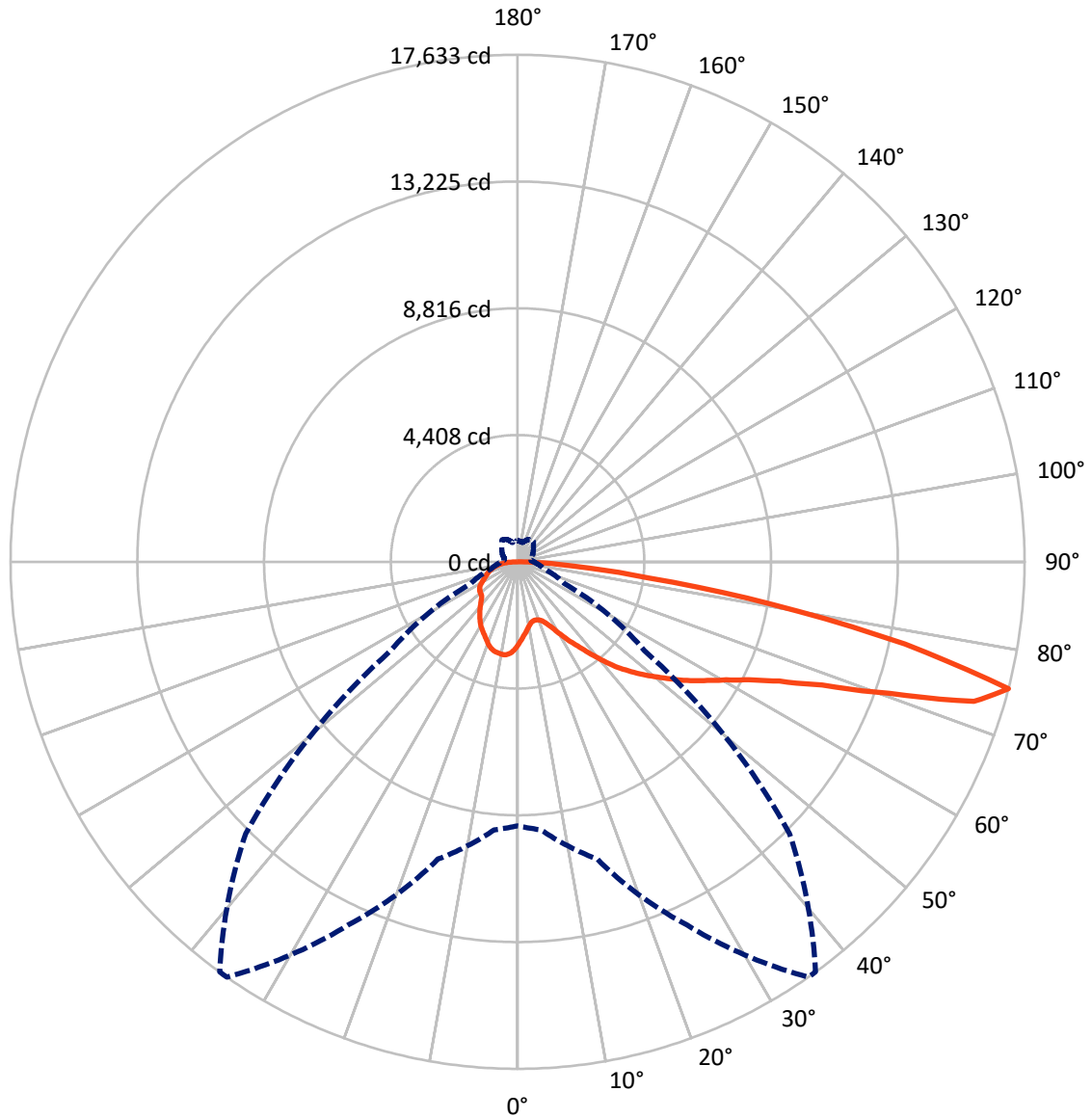
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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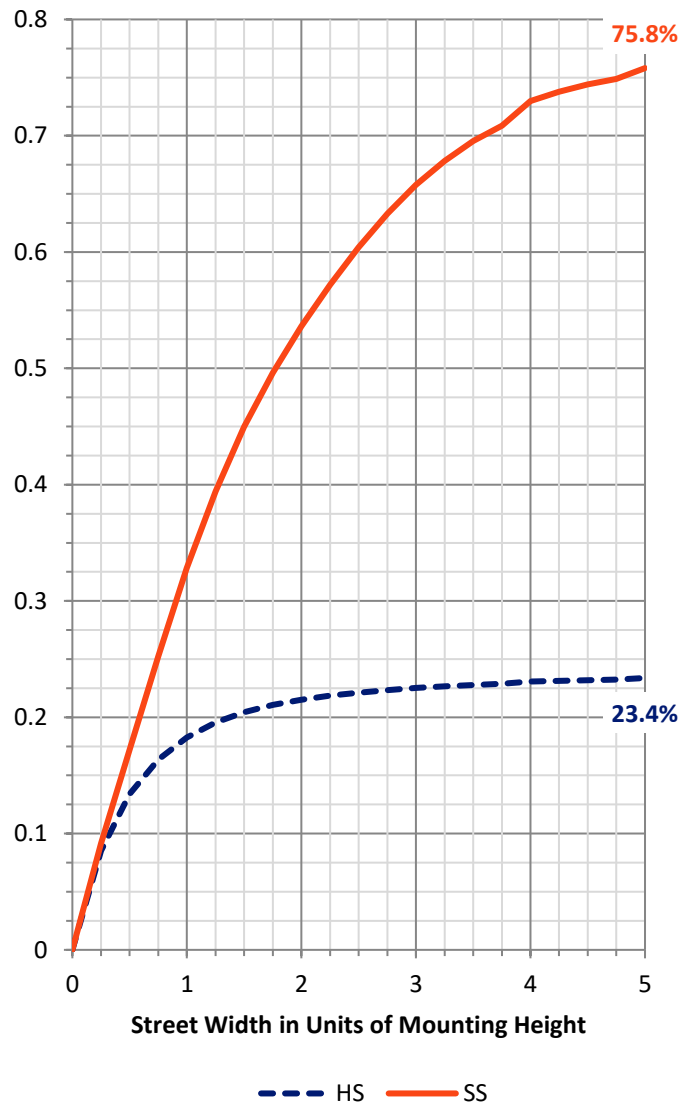
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5148.4	0.0	5148.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16485.6	0.0	16485.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	21634.0	0.0	21634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	1.3
10°-20°	787.3	3.6
20°-30°	1322.1	6.1
30°-40°	2054.7	9.5
40°-50°	3049.8	14.1
50°-60°	4210.4	19.5
60°-70°	5108.1	23.6
70°-80°	4221.5	19.5
80°-90°	607.2	2.8
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°	21634.0	100.0
0°-180°	21634.0	100.0

Coefficient of Utilization

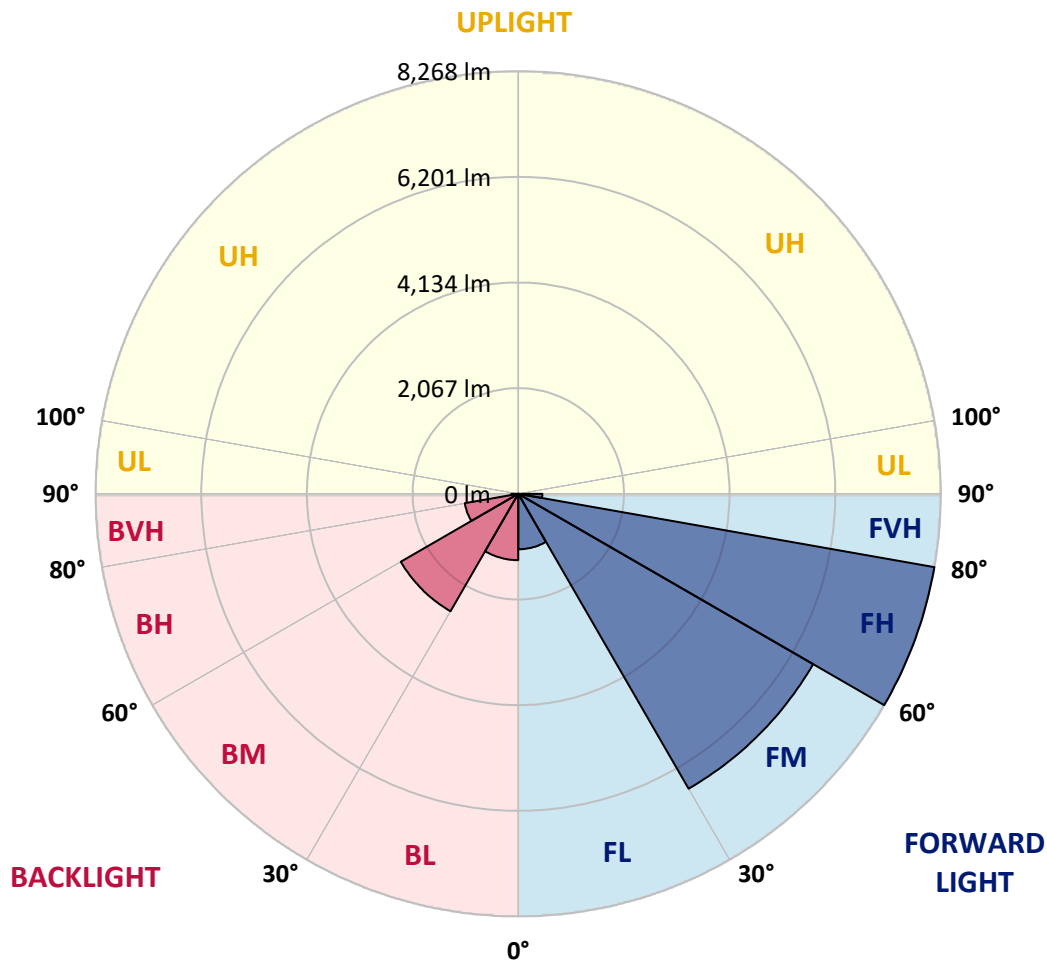


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.9	5.0			
FM (30°-60°)	6662.1	30.8			
FH (60°-80°)	8268.2	38.2			G4/12000
FVH (80°-90°)	470.5	2.2			G3/500
BL (0°-30°)	1297.5	6.0	B3/2500		
BM (30°-60°)	2652.7	12.3	B3/5000		
BH (60°-80°)	1061.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	136.7	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9
2.5°	2658.3	2674.7	2681.7	2678.2	2695.8	2693.4	2718.0	2748.4	2790.5	2831.4
5°	2453.7	2471.2	2486.4	2500.4	2534.4	2544.9	2583.5	2642.0	2719.1	2797.5
7.5°	2263.0	2278.2	2301.6	2327.4	2384.7	2395.2	2459.5	2550.7	2658.3	2772.9
10°	2107.5	2122.7	2147.2	2176.5	2247.8	2260.7	2342.6	2464.2	2604.5	2749.6
12.5°	2040.8	2045.5	2059.5	2088.8	2150.8	2158.9	2249.0	2388.2	2551.9	2732.0
15°	2037.3	2046.7	2047.8	2063.0	2114.5	2118.0	2201.0	2339.0	2519.2	2728.5
17.5°	2072.4	2079.4	2068.9	2078.2	2121.5	2127.4	2192.9	2315.7	2508.6	2743.7
20°	2166.0	2171.8	2140.2	2127.4	2158.9	2163.6	2227.9	2330.9	2519.2	2775.3
22.5°	2364.8	2368.3	2291.1	2238.5	2240.8	2243.1	2299.3	2392.8	2560.1	2832.6
25°	2674.7	2672.4	2549.6	2447.8	2389.3	2376.5	2413.9	2493.4	2629.1	2908.6
27.5°	3037.3	3019.7	2896.9	2744.9	2617.4	2598.7	2590.5	2624.4	2727.3	3009.2
30°	3446.6	3430.2	3298.1	3099.2	2922.6	2892.2	2815.0	2797.5	2873.5	3146.0
32.5°	3895.7	3885.2	3727.3	3486.4	3250.1	3215.0	3085.2	3038.4	3098.1	3353.0
35°	4272.3	4262.9	4131.9	3884.0	3595.1	3551.8	3419.7	3367.1	3397.5	3618.5
37.5°	4612.6	4607.9	4495.7	4300.3	4002.1	3949.5	3801.0	3783.4	3777.6	3968.2
40°	4928.4	4916.7	4799.7	4696.8	4475.8	4427.8	4296.8	4281.6	4237.2	4398.6
42.5°	5278.1	5247.7	5078.1	5030.1	4970.5	4930.7	4852.4	4854.7	4756.5	4883.9
45°	5563.4	5545.9	5371.6	5343.6	5407.9	5391.5	5459.3	5476.9	5286.2	5392.7
47.5°	5869.8	5853.5	5706.1	5686.2	5860.5	5865.2	6104.9	6110.8	5803.2	5921.3
50°	6247.6	6224.2	6078.0	6102.6	6297.9	6315.4	6754.0	6714.2	6279.2	6458.1
52.5°	6496.7	6510.7	6479.2	6518.9	6785.6	6802.0	7392.6	7290.8	6750.5	6987.9
55°	6680.3	6708.4	6806.6	6897.9	7300.2	7316.5	7994.9	7839.3	7141.1	7479.1
57.5°	6916.6	6876.8	7060.4	7238.2	7789.0	7832.3	8580.8	8367.9	7487.3	7902.5
60°	7255.7	7227.7	7370.3	7633.5	8336.4	8405.4	9200.6	8843.9	7741.1	8238.1
62.5°	7943.4	7873.2	7895.5	8128.2	9026.4	9117.6	9900.0	9259.1	7867.4	8369.1
65°	8971.4	8851.0	8738.7	8900.1	9998.3	10088.3	10689.5	9585.4	7820.6	8115.3
67.5°	10266.1	10146.8	10008.8	10160.8	11429.8	11501.1	11663.7	9769.0	7452.2	7137.6
70°	11333.9	11289.4	11454.3	12080.0	13716.2	13718.5	12912.7	9617.0	6442.9	5060.5
72.5°	11192.3	11165.4	12034.4	13968.8	16597.9	16535.9	14095.1	8466.2	4340.1	2282.9
75°	9181.9	9356.2	10702.3	13934.9	17632.9	17624.7	13371.2	5382.1	1795.2	946.1
77.5°	4923.7	5199.7	6948.1	10288.3	13765.3	13972.3	9400.6	1882.9	770.7	605.8
80°	1605.8	1846.7	2769.4	5238.3	8944.5	8905.9	4029.0	739.1	527.5	429.2
82.5°	681.8	709.9	1237.4	2473.5	4590.4	4519.0	1283.0	424.5	370.7	293.6
85°	266.7	298.2	546.2	1143.8	1988.2	1944.9	463.1	210.5	237.4	191.8
87.5°	87.7	106.4	195.3	391.8	618.7	596.5	113.4	72.5	102.9	87.7
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°
2882.9	0°	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9
2891.1	2.5°	2907.4	2926.1	2948.4	2981.1	3009.2	3032.6	3057.1	3072.3	3078.2	3095.7
2895.7	5°	2928.5	2969.4	3024.4	3078.2	3130.8	3162.4	3190.5	3204.5	3217.4	3226.7
2908.6	7.5°	2963.6	3016.2	3102.7	3172.9	3217.4	3243.1	3261.8	3257.1	3261.8	3264.1
2922.6	10°	2994.0	3067.7	3170.6	3237.2	3271.2	3272.3	3267.7	3251.3	3243.1	3244.3
2943.7	12.5°	3030.2	3112.1	3223.2	3279.3	3288.7	3263.0	3243.1	3215.0	3204.5	3199.8
2975.3	15°	3079.4	3172.9	3280.5	3301.6	3278.2	3245.4	3211.5	3165.9	3142.5	3123.8
3029.1	17.5°	3139.0	3241.9	3325.0	3309.8	3259.5	3205.7	3150.7	3081.7	3033.7	3013.9
3102.7	20°	3222.0	3314.4	3358.9	3292.2	3216.2	3134.3	3040.8	2956.6	2912.1	2892.2
3196.3	22.5°	3322.6	3411.5	3391.6	3261.8	3154.2	3023.2	2906.3	2844.3	2822.1	2808.0
3316.8	25°	3443.1	3519.1	3415.0	3217.4	3052.5	2875.9	2785.8	2765.9	2755.4	2744.9
3464.1	27.5°	3599.8	3640.7	3432.6	3151.9	2893.4	2719.1	2686.4	2689.9	2686.4	2668.9
3668.8	30°	3806.8	3798.6	3448.9	3045.4	2711.0	2577.6	2580.0	2595.2	2597.5	2585.8
3954.2	32.5°	4079.3	3996.3	3457.1	2907.4	2536.7	2453.7	2456.0	2472.4	2484.1	2464.2
4327.2	35°	4409.1	4226.7	3444.2	2734.3	2402.2	2335.5	2318.0	2322.7	2326.2	2307.5
4779.8	37.5°	4793.9	4485.1	3386.9	2542.5	2291.1	2219.8	2182.3	2150.8	2132.0	2114.5
5292.1	40°	5216.1	4767.0	3281.7	2355.4	2167.1	2097.0	2040.8	1981.2	1918.0	1894.6
5834.8	42.5°	5658.2	5057.0	3154.2	2176.5	2024.4	1967.1	1907.5	1820.9	1726.2	1678.3
6398.5	45°	6116.6	5354.1	3029.1	1999.9	1878.3	1853.7	1784.7	1680.6	1577.7	1516.9
6963.3	47.5°	6565.7	5634.8	2845.5	1822.1	1741.4	1768.3	1714.5	1618.6	1504.0	1408.1
7523.5	50°	6994.9	5897.9	2544.9	1642.0	1630.3	1742.6	1691.1	1553.1	1422.1	1299.3
8073.2	52.5°	7420.6	6110.8	2160.1	1478.3	1570.7	1735.6	1660.7	1508.7	1348.5	1219.8
8590.2	55°	7782.0	6220.7	1789.4	1337.9	1484.1	1675.9	1624.5	1456.1	1244.4	1107.5
8944.5	57.5°	7987.8	6131.8	1480.6	1199.9	1364.8	1577.7	1562.5	1343.8	1120.4	1015.1
9013.5	60°	7899.0	5771.6	1228.0	1079.5	1251.4	1471.3	1454.9	1232.7	1025.7	926.3
8644.0	62.5°	7408.9	5085.1	1028.0	974.2	1148.5	1362.5	1347.3	1147.3	953.2	857.3
7662.7	65°	6421.9	4136.6	872.5	886.5	1044.4	1231.5	1253.7	1076.0	895.9	802.3
5928.3	67.5°	4898.0	2996.3	750.8	810.5	942.6	1102.9	1167.2	1024.5	847.9	759.0
3430.2	70°	2791.7	1701.7	647.9	736.8	852.6	983.6	1100.5	983.6	796.4	722.8
1285.3	72.5°	1058.4	781.2	560.2	663.1	766.0	883.0	1026.8	919.2	736.8	681.8
664.3	75°	564.9	476.0	471.3	576.6	666.6	784.8	934.4	856.1	692.4	720.4
459.6	77.5°	384.8	336.8	394.1	493.5	557.9	676.0	836.2	760.2	600.0	597.6
318.1	80°	266.7	238.6	320.4	397.6	431.6	568.4	729.8	652.6	488.9	456.1
196.5	82.5°	160.2	155.5	239.8	297.1	305.2	438.6	604.6	547.3	400.0	348.5
117.0	85°	87.7	92.4	153.2	174.3	177.8	306.4	473.7	423.4	307.6	258.5
42.1	87.5°	24.6	31.6	56.1	69.0	85.4	159.1	281.9	251.4	154.4	107.6
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°
2882.9
3094.6
3229.1
3267.7
3246.6
3197.5
3129.6
3015.0
2889.9
2810.4
2744.9
2672.4
2591.7
2473.5
2320.3
2126.2
1905.2
1684.1
1512.2
1397.6
1288.8
1205.8
1095.8
1001.1
912.2
842.1
787.1
745.0
713.4
672.5
743.8
550.8
436.2
350.9
260.8
107.6
0.0

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