

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: P847413

Luminaire Tested: **GLAN-SB3C-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847413
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-SB3C-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 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: 21516 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

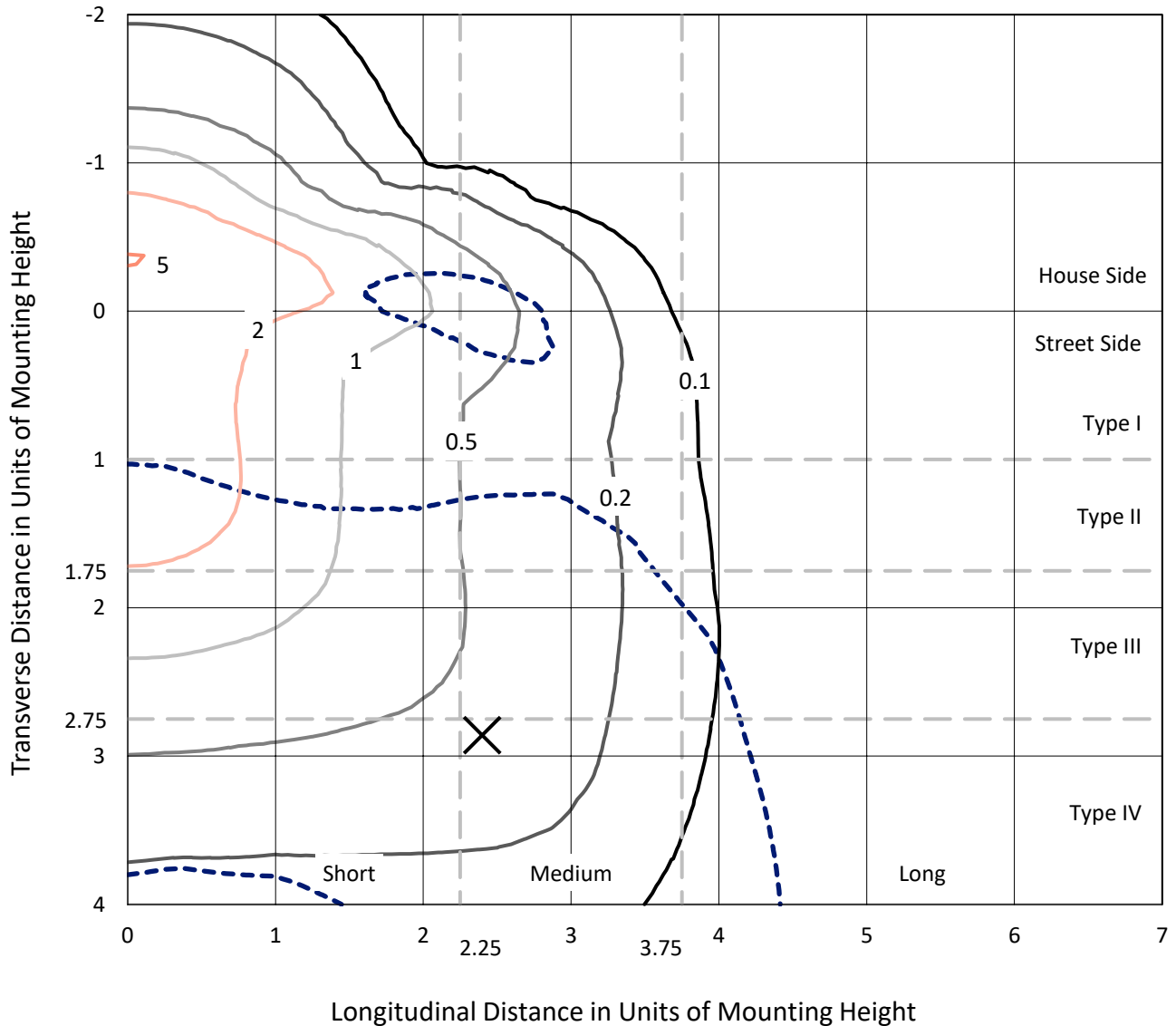
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

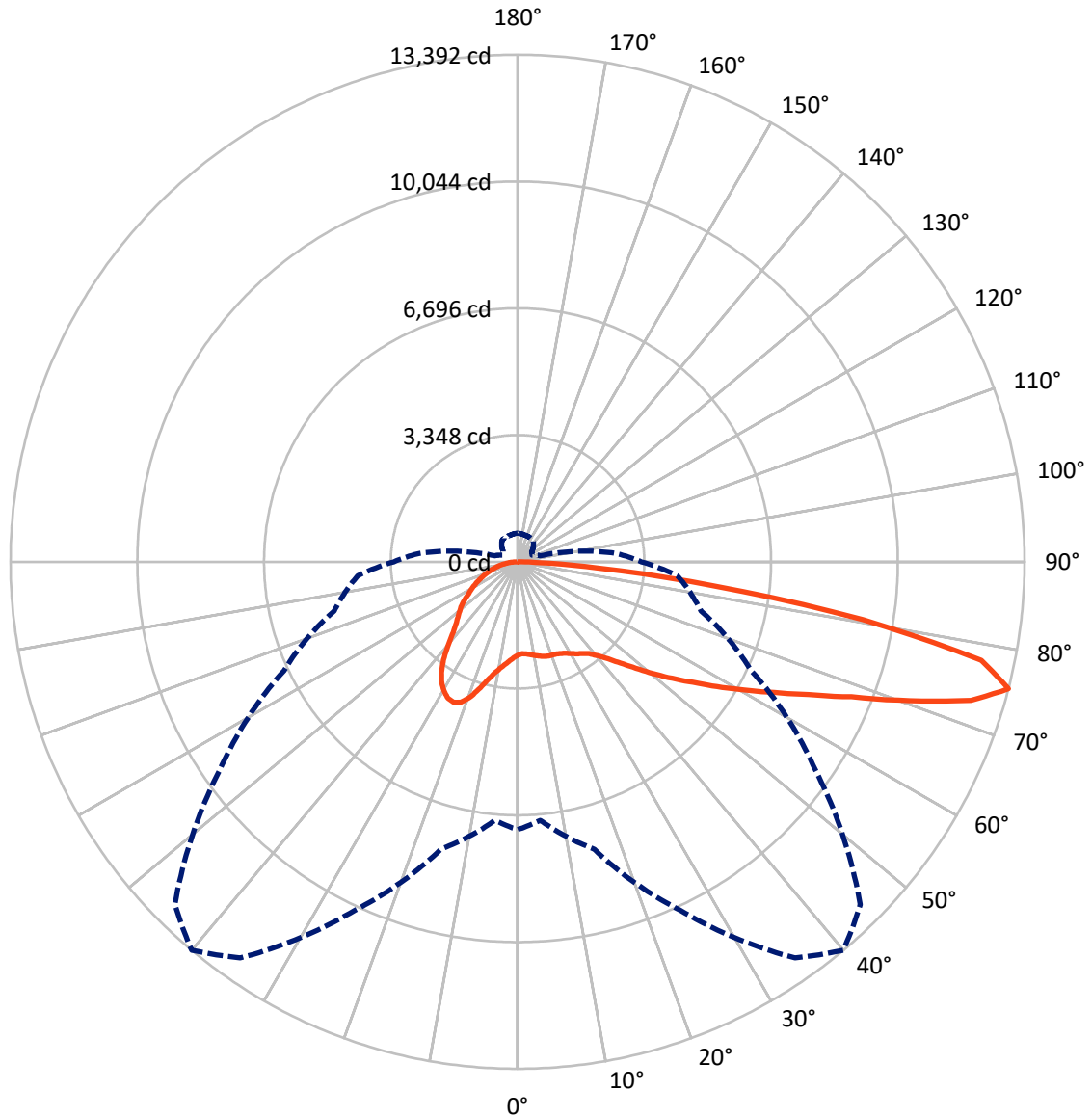
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - 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	6666.4	0.0	6666.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14849.6	0.0	14849.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	21516.0	0.0	21516.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	1.1
10°-20°	824.6	3.8
20°-30°	1505.6	7.0
30°-40°	2135.3	9.9
40°-50°	2883.4	13.4
50°-60°	3878.9	18.0
60°-70°	4923.2	22.9
70°-80°	4468.1	20.8
80°-90°	651.3	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°	21516.0	100.0
0°-180°	21516.0	100.0

Coefficient of Utilization

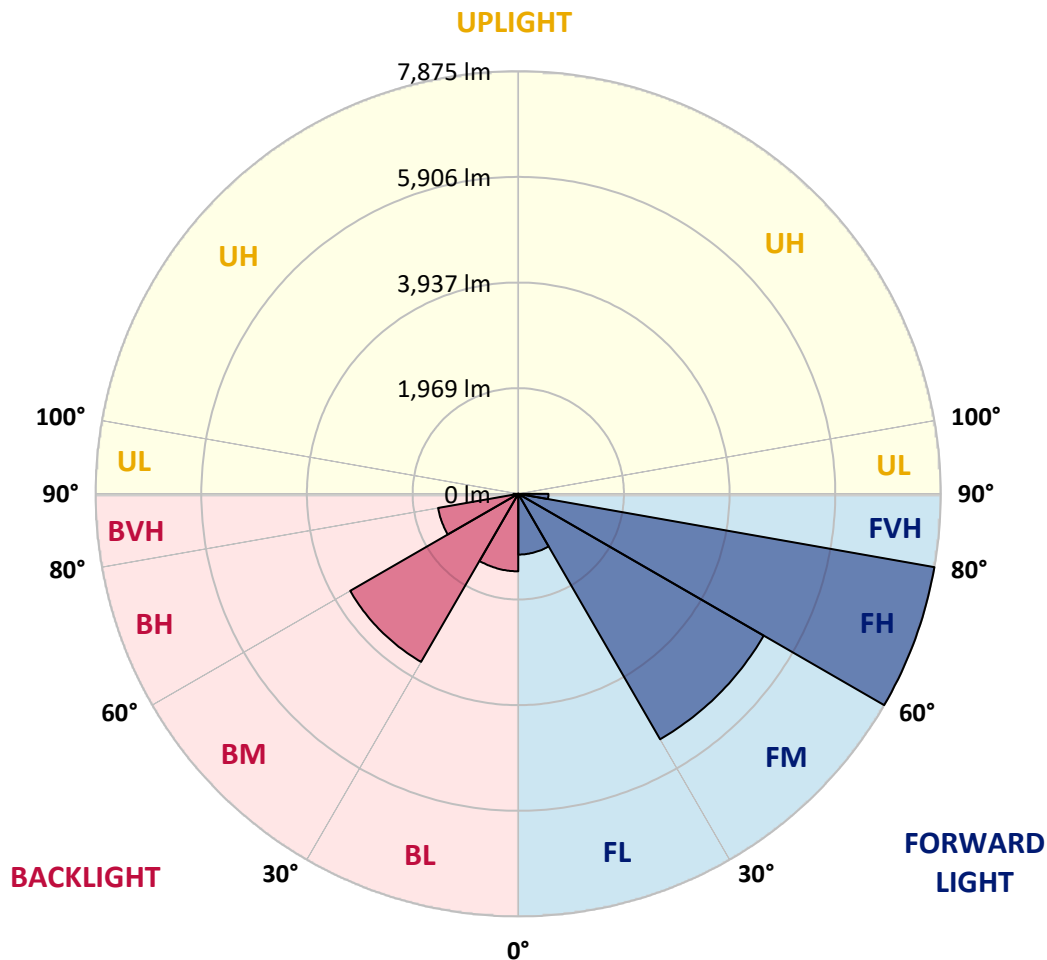


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1131.8	5.3			
FM (30°-60°)	5281.7	24.5			
FH (60°-80°)	7874.5	36.6			G4/12000
FVH (80°-90°)	561.6	2.6			G4/750
BL (0°-30°)	1444.0	6.7	B3/2500		
BM (30°-60°)	3615.9	16.8	B3/5000		
BH (60°-80°)	1516.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	89.7	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°	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4
2.5°	2422.7	2436.4	2433.0	2428.4	2428.4	2429.6	2428.4	2436.4	2444.4	2452.4
5°	2447.8	2461.5	2454.7	2449.0	2444.4	2443.3	2439.8	2438.7	2443.3	2453.5
7.5°	2496.9	2510.6	2500.3	2490.1	2480.9	2476.4	2471.8	2464.9	2461.5	2467.2
10°	2551.7	2565.4	2552.8	2534.6	2519.7	2514.0	2509.5	2502.6	2498.0	2501.5
12.5°	2606.5	2620.1	2603.0	2577.9	2558.5	2555.1	2549.4	2547.1	2546.0	2544.8
15°	2657.8	2669.2	2647.5	2617.9	2597.3	2591.6	2585.9	2589.3	2595.0	2601.9
17.5°	2697.7	2709.2	2677.2	2638.4	2619.0	2616.7	2613.3	2624.7	2640.7	2657.8
20°	2734.3	2745.7	2704.6	2652.1	2629.3	2629.3	2630.4	2654.4	2677.2	2702.3
22.5°	2785.6	2794.7	2744.5	2672.6	2639.5	2641.8	2651.0	2674.9	2703.5	2737.7
25°	2862.1	2868.9	2807.3	2711.4	2673.8	2680.6	2688.6	2700.0	2727.4	2767.4
27.5°	2985.3	2991.0	2910.0	2779.9	2722.9	2734.3	2745.7	2737.7	2750.2	2784.5
30°	3158.8	3162.2	3059.5	2887.2	2806.2	2811.9	2814.1	2781.1	2757.1	2784.5
32.5°	3364.2	3363.1	3241.0	3017.3	2900.9	2895.2	2875.8	2810.7	2754.8	2778.8
35°	3682.6	3670.0	3512.6	3199.9	3008.1	2972.8	2927.1	2843.8	2766.2	2773.1
37.5°	4209.8	4171.0	3953.0	3498.9	3167.9	3077.8	3010.4	2897.5	2791.3	2770.8
40°	4804.4	4755.3	4515.6	3908.5	3407.6	3262.6	3154.2	2973.9	2832.4	2781.1
42.5°	5509.6	5440.0	5182.1	4391.3	3711.1	3501.1	3338.0	3070.9	2892.9	2814.1
45°	6375.8	6283.3	5918.2	4935.6	4093.4	3813.8	3595.9	3218.1	2985.3	2878.1
47.5°	7251.1	7273.9	6754.6	5558.7	4552.2	4199.5	3918.8	3439.5	3120.0	2980.8
50°	8181.1	8197.1	7586.6	6249.1	5072.5	4635.5	4281.7	3687.2	3307.1	3126.8
52.5°	8906.9	8909.2	8342.0	6971.5	5614.6	5114.8	4673.1	3970.2	3524.0	3320.8
55°	9361.1	9355.4	8871.5	7655.0	6237.7	5618.0	5106.8	4292.0	3788.7	3549.1
57.5°	9690.9	9673.8	9236.7	8242.7	6901.9	6212.6	5597.5	4657.2	4101.4	3820.7
60°	9816.4	9806.2	9484.3	8750.6	7600.3	6869.9	6163.5	5065.7	4456.3	4141.3
62.5°	9864.4	9883.8	9727.4	9242.4	8347.7	7598.0	6785.5	5554.1	4855.7	4504.2
65°	10033.3	10068.6	10036.7	9886.0	9192.2	8450.4	7610.5	6135.0	5291.6	4893.4
67.5°	10367.6	10403.0	10416.7	10656.3	10223.8	9512.9	8639.9	6858.5	5801.8	5297.4
70°	10359.6	10349.4	10591.3	11269.1	11515.6	10983.9	10027.5	7748.6	6410.0	5632.9
72.5°	9429.6	9347.4	9919.1	11262.3	12590.6	12519.9	11722.2	8896.6	6934.9	5673.9
75°	7074.2	6855.1	7865.0	10149.7	12769.8	13391.7	12799.5	9608.7	6810.6	5013.2
77.5°	3025.3	2805.0	3995.3	7513.5	11428.9	12518.7	11811.2	8383.1	5436.6	3315.1
80°	792.0	790.8	1207.4	3406.4	7772.6	9244.7	8110.4	5413.8	3106.3	1184.5
82.5°	327.5	319.5	443.9	1324.9	3797.8	5187.8	4233.8	2414.7	1121.8	320.7
85°	122.1	121.0	215.7	457.6	1339.7	2139.7	1548.6	617.4	279.6	156.3
87.5°	34.2	33.1	46.8	158.6	326.4	495.3	264.8	101.6	78.7	61.6
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°
2460.4	0°	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4	2460.4
2464.9	2.5°	2468.4	2474.1	2484.3	2492.3	2502.6	2514.0	2530.0	2540.3	2550.5	2557.4
2470.7	5°	2478.6	2491.2	2517.4	2543.7	2574.5	2603.0	2636.1	2660.1	2679.5	2685.2
2491.2	7.5°	2501.5	2522.0	2566.5	2611.0	2660.1	2706.9	2754.8	2795.9	2829.0	2841.5
2527.7	10°	2541.4	2568.8	2631.6	2694.3	2759.4	2831.3	2892.9	2952.2	2999.0	3018.4
2571.1	12.5°	2591.6	2625.9	2708.0	2794.7	2884.9	2984.2	3064.1	3137.1	3195.3	3221.6
2631.6	15°	2656.7	2701.2	2806.2	2922.6	3054.9	3193.0	3294.6	3375.6	3440.7	3472.6
2694.3	17.5°	2727.4	2786.8	2919.1	3094.9	3284.3	3465.8	3584.4	3643.8	3711.1	3741.9
2752.5	20°	2795.9	2868.9	3058.4	3314.0	3566.2	3759.0	3854.9	3870.9	3875.4	3878.9
2807.3	22.5°	2866.6	2964.8	3233.0	3590.2	3860.6	3994.1	4007.8	3939.4	3843.5	3799.0
2860.9	25°	2944.2	3074.3	3461.2	3894.8	4114.0	4129.9	4024.9	3858.3	3676.9	3593.6
2904.3	27.5°	3019.6	3201.0	3735.1	4185.8	4296.5	4156.2	3930.2	3694.0	3474.9	3387.0
2935.1	30°	3094.9	3345.9	4037.5	4440.3	4379.8	4091.1	3780.7	3517.1	3296.9	3204.4
2962.5	32.5°	3171.3	3514.8	4385.6	4624.1	4365.0	3953.0	3594.7	3318.6	3124.5	3027.5
2986.5	35°	3258.1	3722.5	4715.4	4724.5	4265.7	3749.9	3349.4	3081.2	2912.3	2834.7
3015.0	37.5°	3371.0	3986.1	5006.4	4749.6	4092.3	3452.1	3044.7	2800.5	2661.2	2625.9
3057.2	40°	3511.4	4303.4	5228.9	4709.6	3835.5	3090.3	2711.4	2516.3	2437.6	2445.5
3114.3	42.5°	3694.0	4658.3	5385.2	4606.9	3478.3	2717.1	2419.3	2332.6	2370.2	2402.2
3199.9	45°	3931.4	5026.9	5482.2	4432.3	3074.3	2401.0	2247.0	2267.5	2296.1	2299.5
3338.0	47.5°	4234.9	5400.1	5546.1	4168.7	2662.4	2178.5	2137.4	2142.0	2136.3	2112.3
3544.5	50°	4613.8	5763.0	5603.2	3819.5	2312.0	2039.3	1984.5	1968.5	1889.8	1812.2
3819.5	52.5°	5045.2	6096.2	5627.2	3385.9	2039.3	1922.9	1833.9	1733.5	1586.2	1562.3
4165.3	55°	5524.5	6404.3	5565.5	2852.9	1809.9	1773.4	1638.7	1517.8	1501.8	1481.3
4620.6	57.5°	6097.3	6736.4	5440.0	2258.4	1574.8	1598.8	1467.6	1481.3	1452.7	1420.8
5206.1	60°	6723.8	7079.9	5219.8	1716.3	1331.8	1380.8	1423.1	1421.9	1413.9	1387.7
5823.4	62.5°	7287.6	7305.8	4786.1	1314.6	1118.4	1211.9	1327.2	1326.1	1319.2	1304.4
6468.2	65°	7623.1	7271.6	4062.6	1035.0	942.6	1072.7	1197.1	1206.2	1207.4	1206.2
6953.2	67.5°	7563.7	6871.0	3069.8	823.9	797.7	931.2	1068.1	1080.7	1089.8	1092.1
7014.8	70°	6892.7	5991.2	2001.6	657.3	668.7	806.8	946.0	958.6	966.6	975.7
6087.1	72.5°	5372.7	4405.0	1145.7	531.8	555.8	699.5	825.1	839.9	844.5	861.6
4236.1	75°	3274.0	2590.5	618.5	418.8	456.5	598.0	705.2	722.4	730.4	750.9
2080.4	77.5°	1556.6	1121.8	352.6	326.4	367.5	488.4	595.7	615.1	593.4	604.8
574.0	80°	526.1	416.5	222.5	248.8	280.7	381.2	477.0	496.4	450.8	448.5
190.6	82.5°	183.7	168.9	141.5	165.5	181.4	272.7	360.6	385.7	335.5	334.4
85.6	85°	71.9	68.5	78.7	90.2	108.4	167.8	237.4	249.9	206.6	166.6
25.1	87.5°	14.8	16.0	19.4	20.5	33.1	58.2	85.6	105.0	83.3	70.8
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°
2460.4
2552.8
2687.5
2842.7
3019.6
3221.6
3470.3
3740.8
3888.0
3811.5
3606.1
3397.3
3214.7
3040.1
2851.8
2651.0
2472.9
2431.9
2322.3
2130.6
1822.5
1570.3
1484.7
1415.1
1378.5
1298.7
1206.2
1094.4
980.3
868.4
753.2
595.7
443.9
318.4
164.3
65.0
0.0

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