

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: P849163

Luminaire Tested: **GLAN-SB6A-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849163  
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-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 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: 21499 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

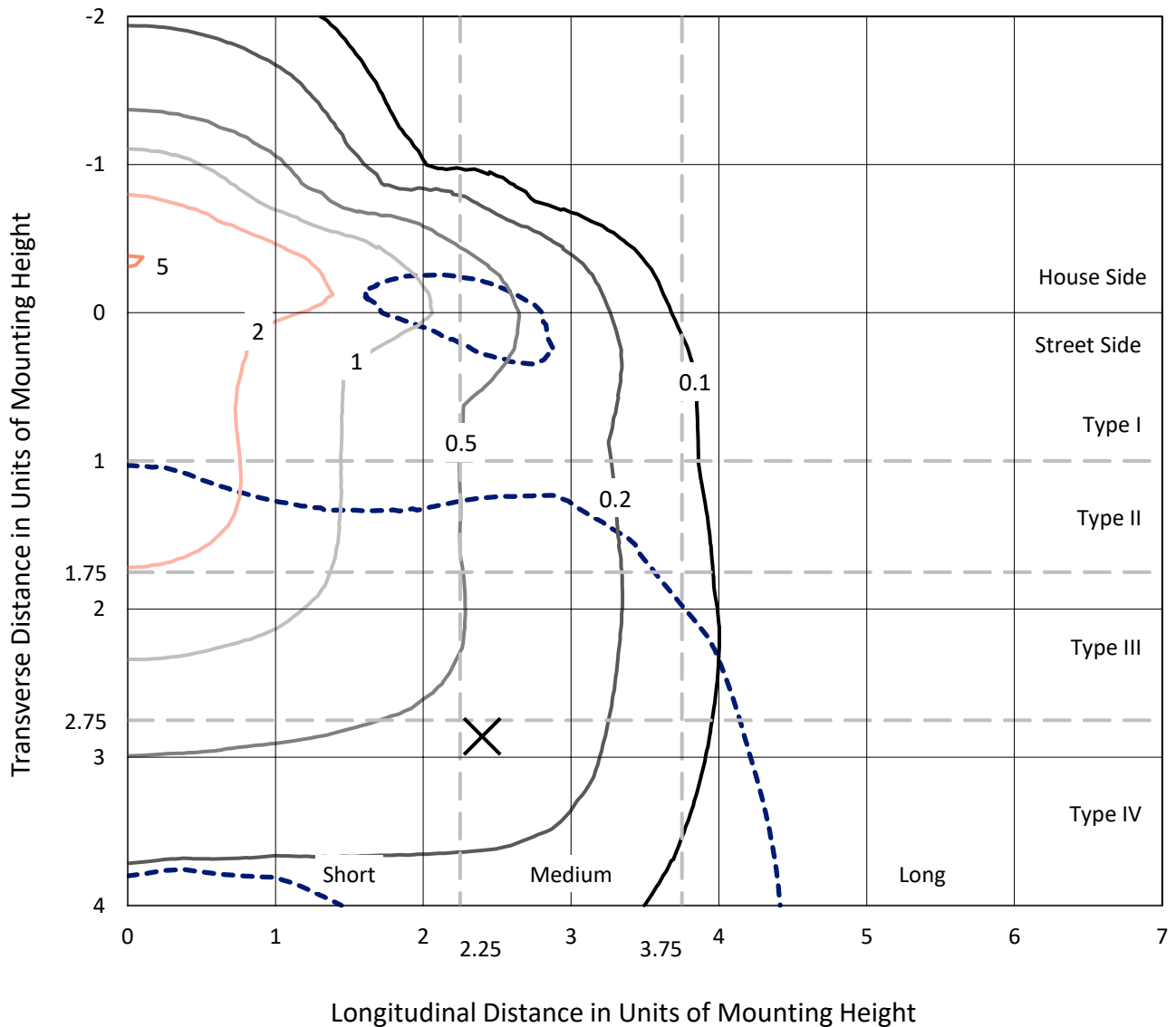
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

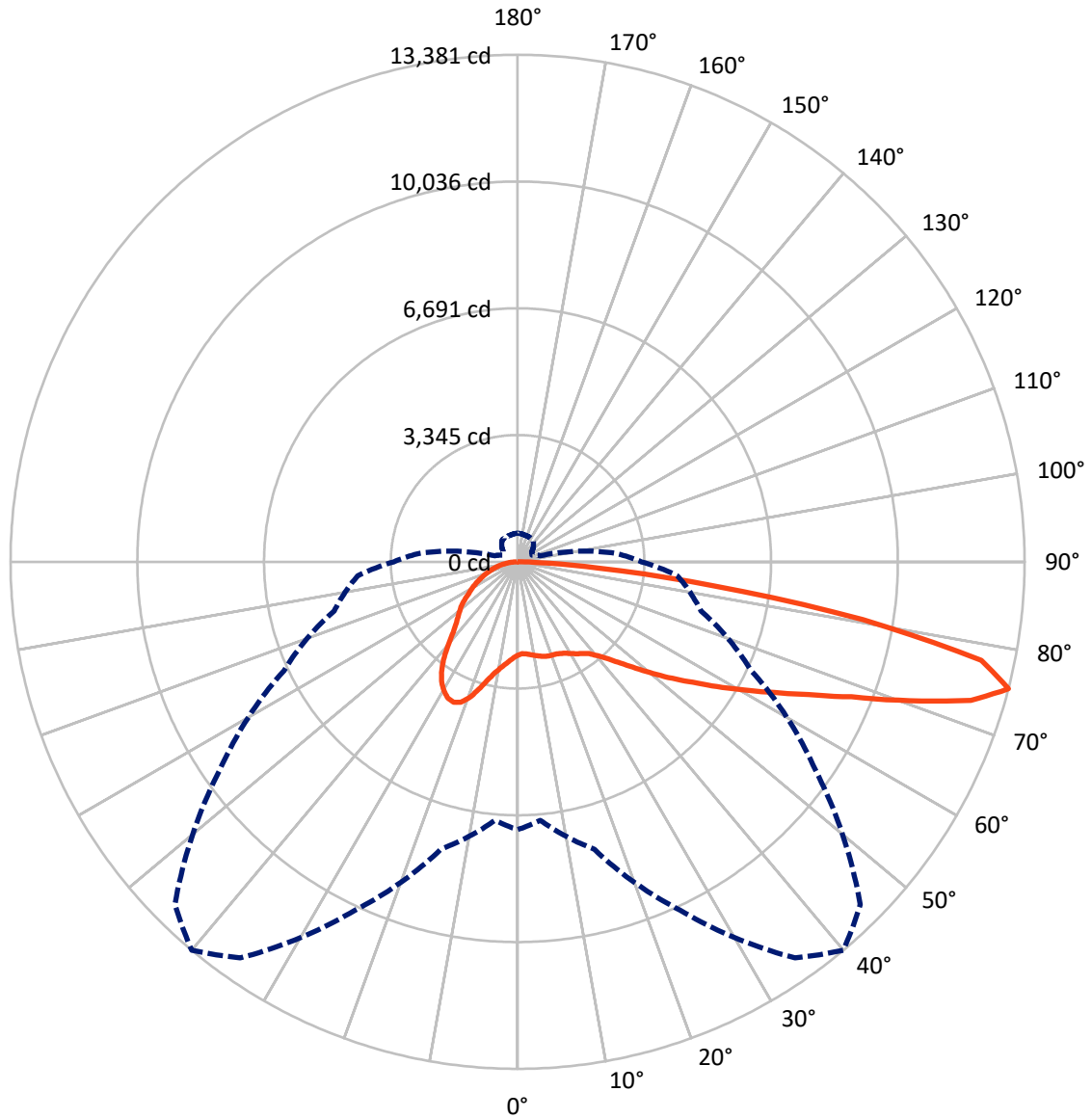
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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
<b>House Side</b>	Lumens	6661.1	0.0	6661.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	14837.9	0.0	14837.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	21499.0	0.0	21499.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.4	1.1
10°-20°	823.9	3.8
20°-30°	1504.4	7.0
30°-40°	2133.7	9.9
40°-50°	2881.1	13.4
50°-60°	3875.8	18.0
60°-70°	4919.3	22.9
70°-80°	4464.6	20.8
80°-90°	650.8	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°	21499.0	100.0
0°-180°	21499.0	100.0

**Coefficient of Utilization**

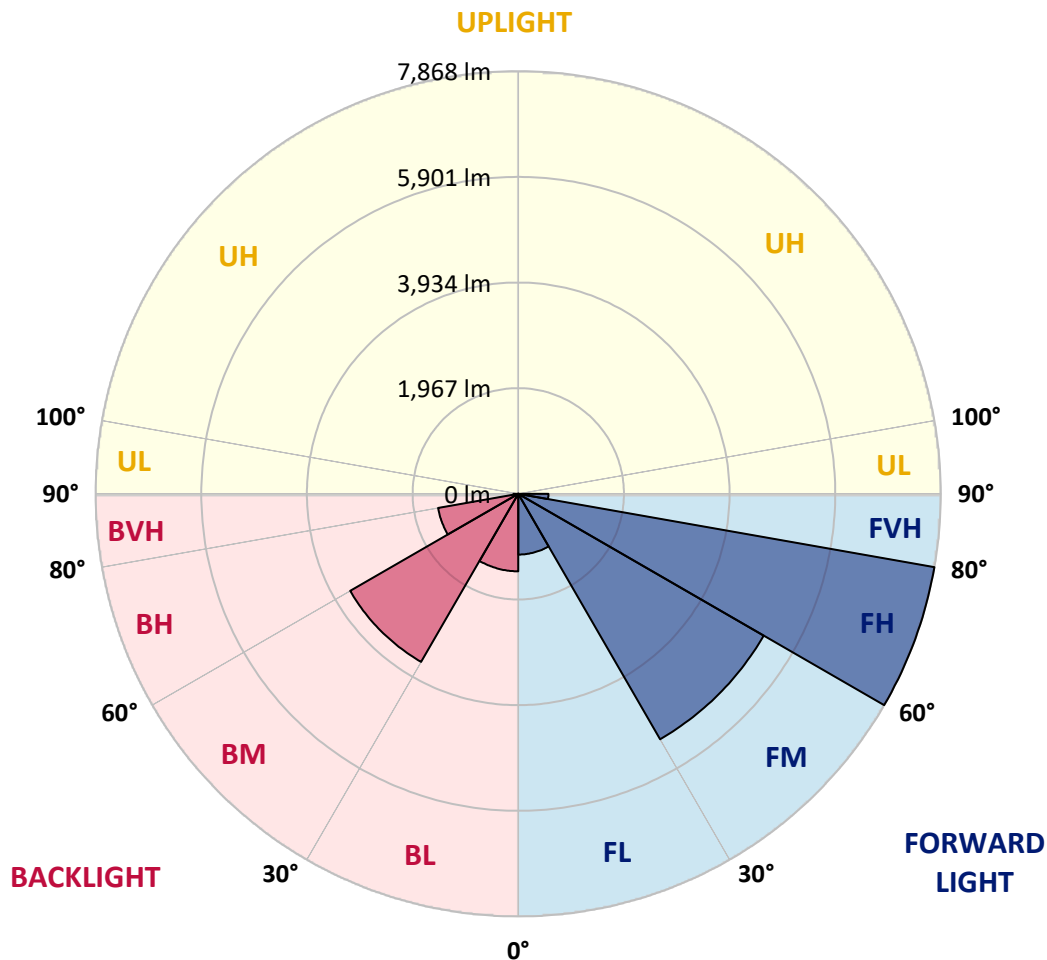


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.9	5.3			
FM (30°-60°)	5277.5	24.5			
FH (60°-80°)	7868.3	36.6			G4/12000
FVH (80°-90°)	561.2	2.6			G4/750
BL (0°-30°)	1442.9	6.7	B3/2500		
BM (30°-60°)	3613.1	16.8	B3/5000		
BH (60°-80°)	1515.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	89.6	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°	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4
2.5°	2420.8	2434.5	2431.1	2426.5	2426.5	2427.7	2426.5	2434.5	2442.5	2450.5
5°	2445.9	2459.6	2452.7	2447.0	2442.5	2441.3	2437.9	2436.8	2441.3	2451.6
7.5°	2494.9	2508.6	2498.3	2488.1	2479.0	2474.4	2469.8	2463.0	2459.6	2465.3
10°	2549.7	2563.3	2550.8	2532.6	2517.7	2512.0	2507.5	2500.6	2496.1	2499.5
12.5°	2604.4	2618.1	2601.0	2575.9	2556.5	2553.1	2547.4	2545.1	2544.0	2542.8
15°	2655.7	2667.1	2645.4	2615.8	2595.3	2589.6	2583.9	2587.3	2593.0	2599.8
17.5°	2695.6	2707.0	2675.1	2636.3	2616.9	2614.7	2611.2	2622.6	2638.6	2655.7
20°	2732.1	2743.5	2702.5	2650.0	2627.2	2627.2	2628.3	2652.3	2675.1	2700.2
22.5°	2783.4	2792.5	2742.4	2670.5	2637.5	2639.7	2648.9	2672.8	2701.3	2735.5
25°	2859.8	2866.7	2805.1	2709.3	2671.7	2678.5	2686.5	2697.9	2725.3	2765.2
27.5°	2983.0	2988.7	2907.7	2777.7	2720.7	2732.1	2743.5	2735.5	2748.1	2782.3
30°	3156.3	3159.7	3057.1	2884.9	2803.9	2809.6	2811.9	2778.9	2754.9	2782.3
32.5°	3361.5	3360.4	3238.4	3014.9	2898.6	2892.9	2873.5	2808.5	2752.6	2776.6
35°	3679.7	3667.1	3509.8	3197.3	3005.8	2970.4	2924.8	2841.6	2764.0	2770.9
37.5°	4206.5	4167.7	3949.9	3496.1	3165.4	3075.3	3008.1	2895.2	2789.1	2768.6
40°	4800.6	4751.5	4512.1	3905.5	3404.9	3260.1	3151.7	2971.6	2830.2	2778.9
42.5°	5505.3	5435.7	5178.0	4387.8	3708.2	3498.4	3335.3	3068.5	2890.6	2811.9
45°	6370.7	6278.4	5913.5	4931.7	4090.2	3810.8	3593.0	3215.6	2983.0	2875.8
47.5°	7245.3	7268.1	6749.3	5554.3	4548.6	4196.2	3915.7	3436.8	3117.5	2978.4
50°	8174.7	8190.6	7580.6	6244.2	5068.5	4631.8	4278.3	3684.2	3304.5	3124.4
52.5°	8899.9	8902.2	8335.4	6966.0	5610.2	5110.7	4669.4	3967.0	3521.2	3318.2
55°	9353.7	9348.0	8864.5	7649.0	6232.8	5613.6	5102.7	4288.6	3785.7	3546.3
57.5°	9683.2	9666.1	9229.4	8236.2	6896.4	6207.7	5593.1	4653.5	4098.2	3817.7
60°	9808.7	9798.4	9476.9	8743.7	7594.3	6864.5	6158.6	5061.7	4452.8	4138.1
62.5°	9856.6	9875.9	9719.7	9235.1	8341.1	7592.0	6780.1	5549.7	4851.9	4500.7
65°	10025.3	10060.7	10028.7	9878.2	9184.9	8443.8	7604.5	6130.1	5287.5	4889.5
67.5°	10359.4	10394.8	10408.5	10647.9	10215.8	9505.4	8633.0	6853.1	5797.2	5293.2
70°	10351.4	10341.2	10582.9	11260.2	11506.5	10975.2	10019.6	7742.5	6404.9	5628.4
72.5°	9422.1	9340.0	9911.3	11253.4	12580.7	12510.0	11712.9	8889.6	6929.5	5669.5
75°	7068.6	6849.6	7858.8	10141.6	12759.7	13381.2	12789.4	9601.1	6805.2	5009.2
77.5°	3022.9	2802.8	3992.1	7507.6	11419.9	12508.8	11801.9	8376.5	5432.3	3312.5
80°	791.4	790.2	1206.4	3403.7	7766.4	9237.4	8104.0	5409.5	3103.8	1183.6
82.5°	327.3	319.3	443.6	1323.9	3794.8	5183.7	4230.4	2412.8	1120.9	320.4
85°	122.0	120.9	215.5	457.3	1338.7	2138.0	1547.4	616.9	279.4	156.2
87.5°	34.2	33.1	46.8	158.5	326.1	494.9	264.5	101.5	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°
2458.4	0°	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4	2458.4
2463.0	2.5°	2466.4	2472.1	2482.4	2490.4	2500.6	2512.0	2528.0	2538.3	2548.5	2555.4
2468.7	5°	2476.7	2489.2	2515.5	2541.7	2572.5	2601.0	2634.0	2658.0	2677.4	2683.1
2489.2	7.5°	2499.5	2520.0	2564.5	2609.0	2658.0	2704.7	2752.6	2793.7	2826.7	2839.3
2525.7	10°	2539.4	2566.8	2629.5	2692.2	2757.2	2829.0	2890.6	2949.9	2996.7	3016.0
2569.0	12.5°	2589.6	2623.8	2705.9	2792.5	2882.6	2981.8	3061.6	3134.6	3192.8	3219.0
2629.5	15°	2654.6	2699.0	2803.9	2920.3	3052.5	3190.5	3292.0	3372.9	3437.9	3469.9
2692.2	17.5°	2725.3	2784.6	2916.8	3092.4	3281.7	3463.0	3581.6	3640.9	3708.2	3739.0
2750.4	20°	2793.7	2866.7	3055.9	3311.4	3563.4	3756.1	3851.9	3867.8	3872.4	3875.8
2805.1	22.5°	2864.4	2962.4	3230.4	3587.3	3857.6	3991.0	4004.7	3936.2	3840.5	3796.0
2858.7	25°	2941.9	3071.9	3458.5	3891.8	4110.7	4126.7	4021.8	3855.3	3674.0	3590.7
2902.0	27.5°	3017.2	3198.5	3732.1	4182.5	4293.1	4152.9	3927.1	3691.1	3472.1	3384.3
2932.8	30°	3092.4	3343.3	4034.3	4436.8	4376.4	4087.9	3777.7	3514.3	3294.3	3201.9
2960.2	32.5°	3168.8	3512.1	4382.1	4620.4	4361.6	3949.9	3591.9	3315.9	3122.1	3025.2
2984.1	35°	3255.5	3719.6	4711.6	4720.8	4262.4	3747.0	3346.7	3078.8	2910.0	2832.5
3012.6	37.5°	3368.4	3983.0	5002.4	4745.8	4089.0	3449.3	3042.3	2798.2	2659.1	2623.8
3054.8	40°	3508.6	4300.0	5224.8	4705.9	3832.5	3087.9	2709.3	2514.3	2435.6	2443.6
3111.8	42.5°	3691.1	4654.6	5381.0	4603.3	3475.6	2715.0	2417.4	2330.7	2368.4	2400.3
3197.3	45°	3928.3	5022.9	5477.9	4428.8	3071.9	2399.1	2245.2	2265.7	2294.2	2297.7
3335.3	47.5°	4231.6	5395.8	5541.8	4165.4	2660.3	2176.8	2135.7	2140.3	2134.6	2110.7
3541.7	50°	4610.1	5758.4	5598.8	3816.5	2310.2	2037.7	1982.9	1967.0	1888.3	1810.8
3816.5	52.5°	5041.2	6091.4	5622.7	3383.2	2037.7	1921.4	1832.4	1732.1	1585.0	1561.0
4162.0	55°	5520.1	6399.2	5561.1	2850.7	1808.5	1772.0	1637.4	1516.6	1500.6	1480.1
4617.0	57.5°	6092.5	6731.1	5435.7	2256.6	1573.6	1597.5	1466.4	1480.1	1451.6	1419.6
5201.9	60°	6718.5	7074.3	5215.6	1715.0	1330.7	1379.7	1421.9	1420.8	1412.8	1386.6
5818.8	62.5°	7281.8	7300.1	4782.3	1313.6	1117.5	1211.0	1326.1	1325.0	1318.2	1303.3
6463.1	65°	7617.1	7265.9	4059.4	1034.2	941.9	1071.9	1196.2	1205.3	1206.4	1205.3
6947.7	67.5°	7557.8	6865.6	3067.3	823.3	797.1	930.5	1067.3	1079.8	1089.0	1091.2
7009.3	70°	6887.3	5986.5	2000.0	656.8	668.2	806.2	945.3	957.8	965.8	974.9
6082.2	72.5°	5368.4	4401.5	1144.8	531.4	555.3	699.0	824.4	839.2	843.8	860.9
4232.7	75°	3271.5	2588.4	618.0	418.5	456.1	597.5	704.7	721.8	729.8	750.3
2078.7	77.5°	1555.3	1120.9	352.3	326.1	367.2	488.0	595.2	614.6	592.9	604.3
573.6	80°	525.7	416.2	222.4	248.6	280.5	380.9	476.6	496.0	450.4	448.1
190.4	82.5°	183.6	168.8	141.4	165.3	181.3	272.5	360.3	385.4	335.2	334.1
85.5	85°	71.8	68.4	78.7	90.1	108.3	167.6	237.2	249.7	206.4	166.5
25.1	87.5°	14.8	16.0	19.4	20.5	33.1	58.2	85.5	104.9	83.2	70.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



180°
2458.4
2550.8
2685.4
2840.4
3017.2
3219.0
3467.6
3737.8
3884.9
3808.5
3603.3
3394.6
3212.2
3037.7
2849.6
2648.9
2471.0
2429.9
2320.5
2128.9
1821.0
1569.0
1483.5
1413.9
1377.5
1297.6
1205.3
1093.5
979.5
867.8
752.6
595.2
443.6
318.1
164.2
65.0
0.0

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