

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: P848148

Luminaire Tested: **GLAN-SB4C-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23947 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

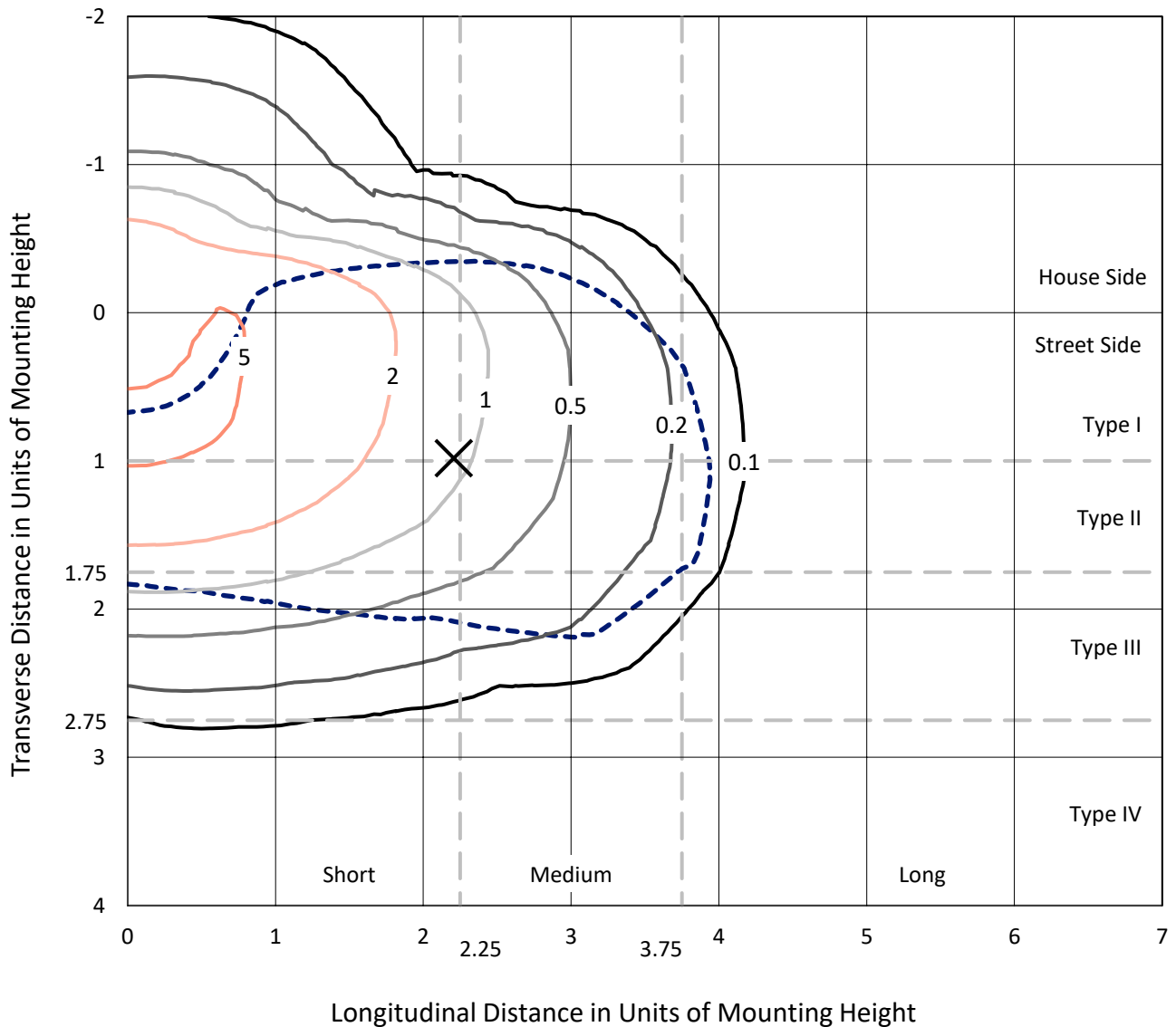
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

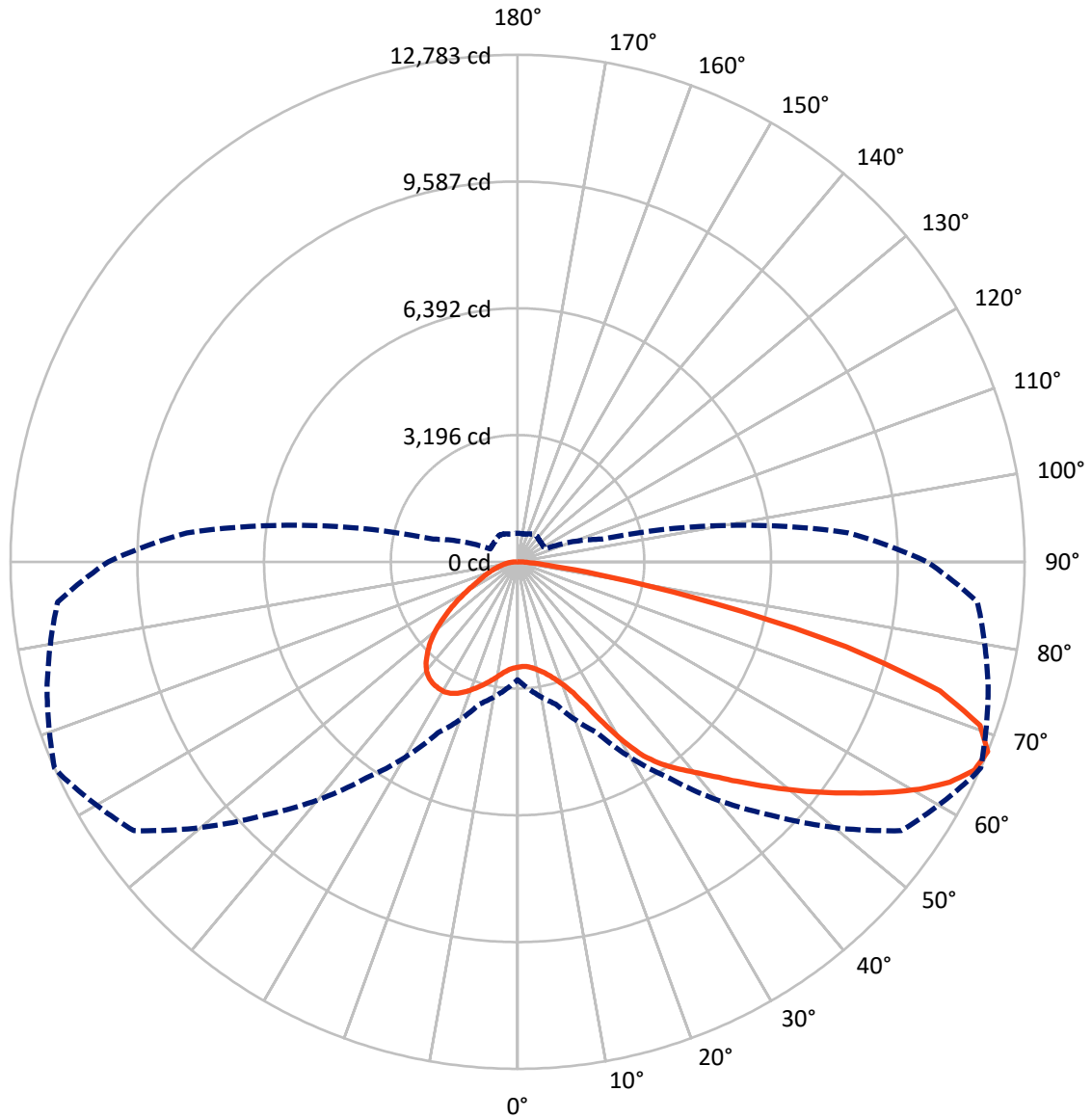
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5954.4	0.0	5954.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17992.6	0.0	17992.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	23947.0	0.0	23947.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.3	1.1
10°-20°	870.0	3.6
20°-30°	1676.9	7.0
30°-40°	2940.3	12.3
40°-50°	4371.2	18.3
50°-60°	5541.0	23.1
60°-70°	5421.7	22.6
70°-80°	2586.2	10.8
80°-90°	276.4	1.2
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°	23947.0	100.0
0°-180°	23947.0	100.0

**Coefficient of Utilization**



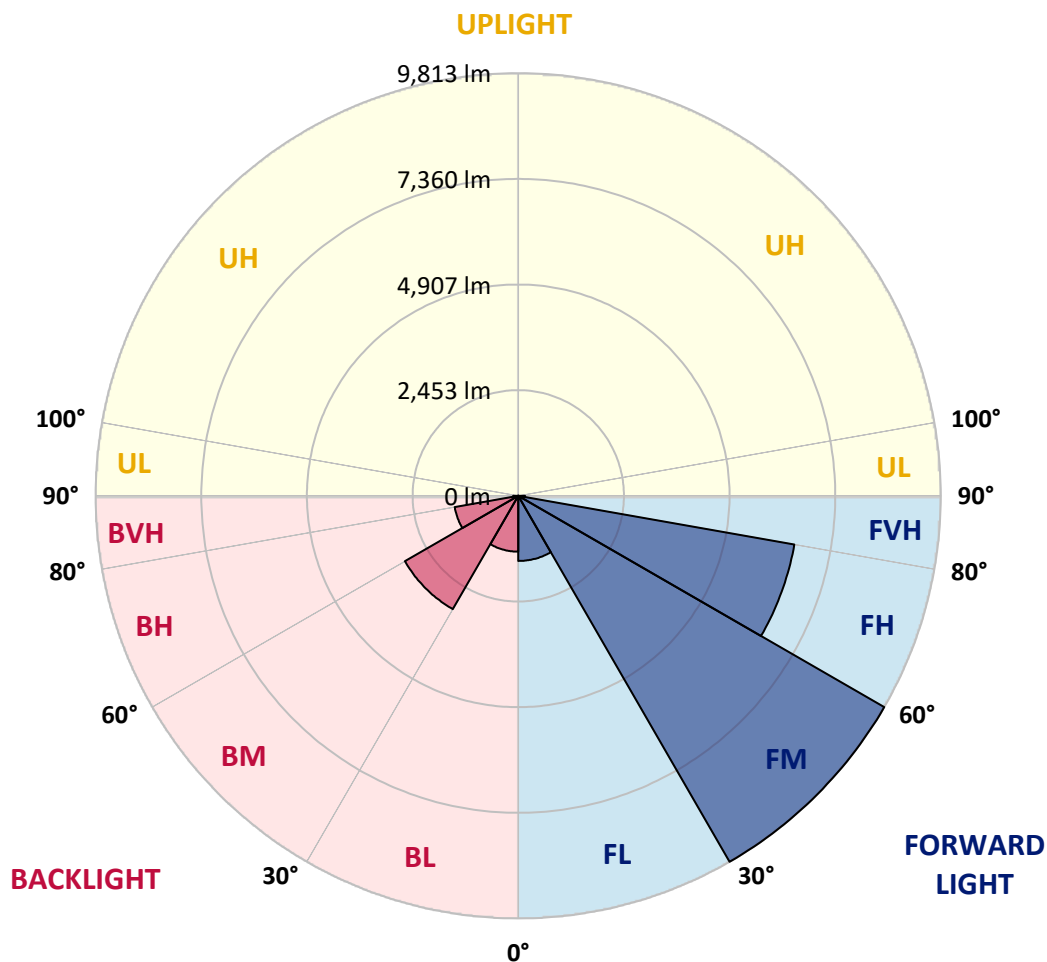
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1513.2	6.3			
FM (30°-60°)	9813.3	41.0			
FH (60°-80°)	6509.5	27.2			G3/7500
FVH (80°-90°)	156.7	0.7			G2/225
BL (0°-30°)	1297.1	5.4	B3/2500		
BM (30°-60°)	3039.2	12.7	B3/5000		
BH (60°-80°)	1498.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	119.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0
2.5°	2628.4	2643.5	2639.7	2633.4	2632.1	2634.6	2638.4	2642.2	2640.9	2647.2
5°	2620.8	2635.9	2634.6	2634.6	2639.7	2649.7	2656.0	2662.3	2656.0	2663.6
7.5°	2625.8	2637.2	2642.2	2647.2	2659.8	2678.7	2693.8	2707.6	2700.1	2708.9
10°	2690.0	2698.8	2703.8	2703.8	2712.7	2734.0	2749.1	2774.3	2768.0	2781.9
12.5°	2807.0	2815.8	2815.8	2810.8	2817.1	2830.9	2836.0	2863.6	2852.3	2875.0
15°	2950.5	2968.1	2954.2	2945.4	2947.9	2961.8	2960.5	2981.9	2970.6	2989.5
17.5°	3109.0	3131.6	3109.0	3107.7	3102.7	3117.8	3119.1	3137.9	3117.8	3131.6
20°	3296.5	3327.9	3309.0	3315.3	3304.0	3310.3	3316.6	3344.3	3312.8	3322.9
22.5°	3560.7	3598.4	3578.3	3602.2	3594.6	3589.6	3588.4	3637.4	3588.4	3592.1
25°	3945.7	3991.0	3955.7	3988.5	3988.5	4004.8	4023.7	4086.6	4004.8	3980.9
27.5°	4514.4	4559.7	4490.5	4510.6	4504.3	4544.6	4524.5	4680.5	4592.4	4553.4
30°	5198.8	5279.4	5148.5	5143.5	5137.2	5201.4	5230.3	5333.5	5244.1	5205.1
32.5°	5938.7	6023.0	5866.9	5821.6	5797.7	5836.7	5812.8	5895.9	5834.2	5773.8
35°	6721.3	6804.3	6655.8	6567.8	6472.1	6390.3	6304.8	6326.2	6268.3	6176.5
37.5°	7461.1	7613.3	7456.0	7361.7	7185.5	7025.7	6786.7	6687.3	6633.2	6548.9
40°	8214.7	8301.5	8182.0	8101.5	7910.2	7659.9	7277.4	7067.3	6994.3	6912.5
42.5°	8769.6	8852.6	8788.5	8733.1	8583.4	8292.7	7798.3	7535.3	7429.6	7337.8
45°	9209.9	9271.6	9231.3	9251.5	9187.3	8905.5	8338.0	8037.3	7927.9	7815.9
47.5°	9387.4	9452.8	9516.9	9636.5	9745.9	9538.3	8918.0	8580.9	8465.1	8350.6
50°	9367.2	9433.9	9620.1	9874.3	10214.0	10144.8	9529.5	9159.6	9052.7	8921.8
52.5°	9206.2	9281.7	9520.7	9943.5	10484.5	10599.0	10152.3	9757.3	9656.6	9500.6
55°	8783.4	8828.7	9187.3	9786.2	10548.7	10916.1	10762.6	10393.9	10293.3	10075.6
57.5°	7999.6	8065.0	8587.1	9362.2	10387.6	11131.2	11298.5	11063.3	10966.4	10653.1
60°	6976.7	7081.1	7678.7	8650.1	9977.4	11129.9	11785.5	11721.3	11640.8	11221.8
62.5°	5819.1	5939.9	6514.9	7643.5	9260.3	10814.1	12089.9	12272.4	12230.9	11746.5
65°	4469.1	4552.1	5124.6	6341.3	8144.3	10136.0	12125.2	12648.6	12656.1	12145.3
67.5°	2975.6	3214.7	3711.7	4758.5	6649.5	9027.5	11815.7	12710.2	12783.2	12282.4
70°	1452.0	1766.5	2253.4	3092.6	4758.5	7327.7	11006.6	12204.4	12366.7	11882.3
72.5°	602.7	704.6	970.1	1526.2	2731.5	4944.7	9381.1	10833.0	11133.7	10528.5
75°	406.4	440.4	554.9	782.6	1244.3	2438.4	6765.3	8077.6	8562.0	7951.8
77.5°	313.3	334.7	403.9	547.3	739.8	922.3	3621.1	4867.9	5118.3	4738.3
80°	246.6	263.0	302.0	398.8	524.7	493.2	1234.3	2205.6	2350.3	1971.6
82.5°	213.9	220.2	216.4	270.5	348.5	288.1	405.1	814.0	898.3	651.7
85°	154.8	172.4	179.9	167.3	185.0	146.0	166.1	288.1	317.1	283.1
87.5°	62.9	93.1	114.5	108.2	67.9	41.5	51.6	84.3	96.9	105.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848148  
 CATALOG NUMBER: GLAN-SB4C-827-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2656.0	0°	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0	2656.0
2657.3	2.5°	2658.6	2667.4	2673.7	2681.2	2686.2	2693.8	2708.9	2717.7	2718.9	2725.2
2677.4	5°	2682.5	2695.0	2708.9	2729.0	2751.7	2770.5	2799.5	2819.6	2827.2	2833.4
2726.5	7.5°	2734.0	2751.7	2776.8	2812.1	2844.8	2869.9	2905.2	2929.1	2953.0	2961.8
2804.5	10°	2810.8	2836.0	2872.4	2920.3	2955.5	2988.2	3024.7	3044.8	3068.7	3078.8
2897.6	12.5°	2906.4	2932.8	2980.7	3047.3	3080.0	3102.7	3115.3	3110.2	3115.3	3124.1
3009.6	15°	3015.9	3044.8	3098.9	3170.6	3193.3	3173.2	3145.5	3120.3	3116.5	3119.1
3145.5	17.5°	3145.5	3166.9	3229.8	3290.2	3273.8	3190.8	3130.4	3090.1	3070.0	3063.7
3319.1	20°	3326.7	3326.7	3378.2	3416.0	3306.5	3165.6	3071.2	3005.8	2964.3	2946.7
3555.6	22.5°	3546.8	3526.7	3559.4	3533.0	3300.2	3095.1	2964.3	2851.1	2788.1	2763.0
3886.5	25°	3826.2	3802.2	3793.4	3629.9	3254.9	2983.2	2770.5	2633.4	2578.0	2564.2
4363.4	27.5°	4247.6	4187.3	4072.8	3682.7	3171.9	2807.0	2544.1	2417.0	2385.5	2386.8
4976.1	30°	4808.8	4688.0	4407.4	3691.5	3036.0	2557.9	2312.6	2222.0	2206.9	2213.2
5490.7	32.5°	5328.4	5213.9	4749.7	3651.3	2827.2	2313.8	2105.0	2044.6	2021.9	2029.5
5883.3	35°	5736.1	5704.6	5066.7	3594.6	2570.5	2084.8	1918.7	1867.2	1823.1	1813.1
6253.2	37.5°	6121.1	6108.5	5304.5	3515.4	2316.3	1922.5	1769.0	1701.1	1636.9	1601.7
6662.1	40°	6543.8	6531.3	5460.5	3393.3	2091.1	1781.6	1634.4	1545.1	1465.8	1401.6
7125.1	42.5°	7019.4	6945.2	5534.8	3218.4	1899.9	1662.1	1524.9	1404.1	1299.7	1240.6
7648.5	45°	7539.1	7371.7	5533.5	2995.8	1738.8	1552.6	1407.9	1236.8	1139.9	1084.6
8185.8	47.5°	8090.2	7779.4	5465.6	2749.1	1582.8	1431.8	1226.7	1095.9	1031.7	997.7
8769.6	50°	8658.9	8160.6	5349.8	2466.1	1423.0	1294.7	1113.5	1024.2	975.1	943.6
9348.4	52.5°	9193.6	8506.6	5210.2	2145.2	1260.7	1161.3	1063.2	994.0	942.4	907.2
9909.5	55°	9690.6	8804.8	5012.6	1816.8	1128.6	1072.0	1039.3	981.4	922.3	880.7
10479.5	57.5°	10132.2	8998.6	4671.7	1508.6	1034.2	1010.3	1014.1	960.0	892.1	856.8
11040.6	60°	10499.6	9140.7	4167.1	1223.0	957.5	949.9	975.1	919.7	840.5	800.2
11515.0	62.5°	10719.8	9138.2	3548.1	1001.5	892.1	894.6	923.5	869.4	788.9	751.1
11762.8	65°	10700.9	8914.3	2868.7	856.8	829.1	831.7	869.4	814.0	746.1	723.5
11638.3	67.5°	10322.2	8368.2	2200.6	762.5	759.9	771.3	815.3	776.3	719.7	717.2
10895.9	70°	9296.8	7234.6	1585.3	687.0	688.2	704.6	762.5	752.4	705.8	710.9
9160.9	72.5°	7454.8	5515.9	1064.4	607.7	609.0	635.4	712.1	733.5	692.0	758.7
6499.8	75°	4964.8	3439.9	684.5	523.4	524.7	558.6	668.1	697.0	654.3	756.2
3382.0	77.5°	2385.5	1546.3	495.7	440.4	440.4	471.8	577.5	624.1	557.4	587.6
1087.1	80°	824.1	581.3	390.0	354.8	347.3	368.6	486.9	541.0	480.6	442.9
354.8	82.5°	324.6	302.0	313.3	275.5	250.4	264.2	378.7	446.7	353.6	319.6
200.1	85°	186.2	196.3	221.4	182.4	144.7	162.3	278.1	320.8	266.7	235.3
65.4	87.5°	50.3	69.2	101.9	94.4	65.4	69.2	132.1	177.4	153.5	118.3
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°
2656.0
2724.0
2832.2
2963.0
3083.8
3126.6
3127.9
3072.5
2942.9
2759.2
2566.7
2390.6
2234.5
2039.5
1820.6
1602.9
1407.9
1244.3
1082.0
990.2
932.3
892.1
864.4
834.2
782.6
739.8
722.2
720.9
709.6
768.8
762.5
538.5
415.2
318.3
240.3
122.0
0.0

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