

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: P848168

Luminaire Tested: **GLAN-SB4C-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848168  
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-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24868 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

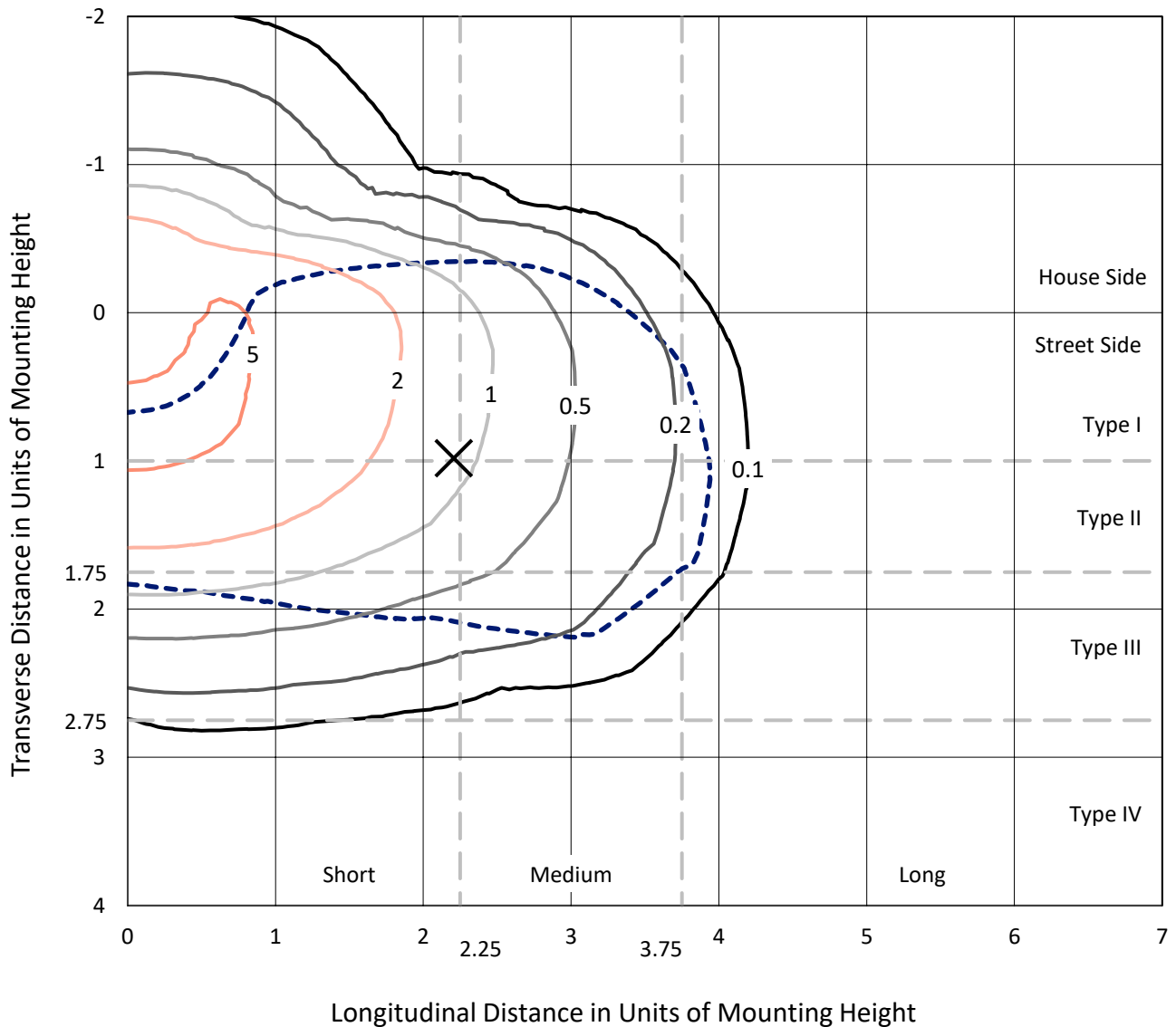
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

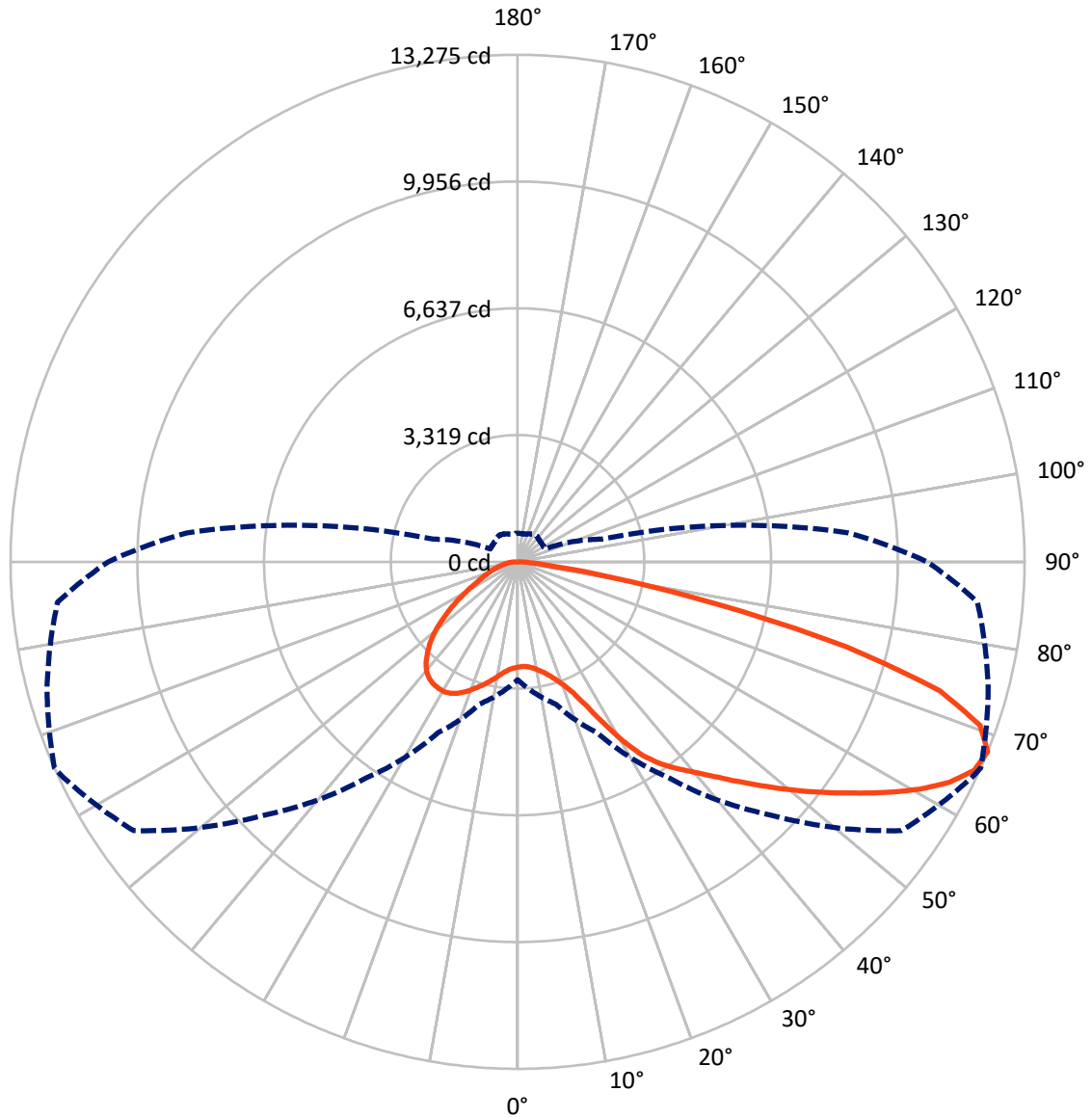
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	6183.4	0.0	6183.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	18684.7	0.0	18684.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	24868.0	0.0	24868.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.5	1.1
10°-20°	903.5	3.6
20°-30°	1741.4	7.0
30°-40°	3053.4	12.3
40°-50°	4539.3	18.3
50°-60°	5754.1	23.1
60°-70°	5630.2	22.6
70°-80°	2685.7	10.8
80°-90°	287.0	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°	24868.0	100.0
0°-180°	24868.0	100.0

**Coefficient of Utilization**



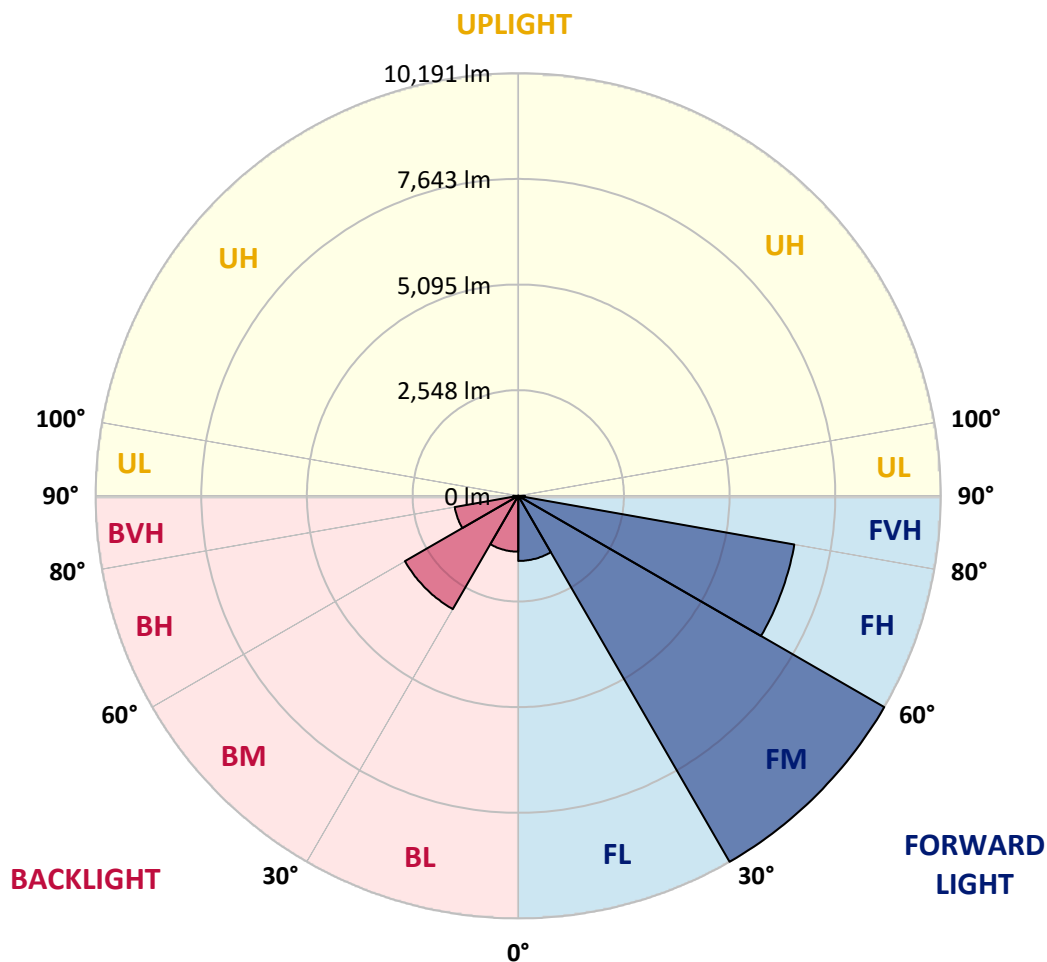
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1571.4	6.3			
FM (30°-60°)	10190.7	41.0			
FH (60°-80°)	6759.8	27.2			G3/7500
FVH (80°-90°)	162.7	0.7			G2/225
BL (0°-30°)	1347.0	5.4	B3/2500		
BM (30°-60°)	3156.1	12.7	B3/5000		
BH (60°-80°)	1556.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	124.3	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°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2729.4	2745.1	2741.2	2734.7	2733.4	2736.0	2739.9	2743.8	2742.5	2749.0
5°	2721.6	2737.3	2736.0	2736.0	2741.2	2751.7	2758.2	2764.7	2758.2	2766.0
7.5°	2726.8	2738.6	2743.8	2749.0	2762.1	2781.7	2797.4	2811.8	2803.9	2813.1
10°	2793.5	2802.6	2807.8	2807.8	2817.0	2839.2	2854.9	2881.0	2874.5	2888.8
12.5°	2915.0	2924.1	2924.1	2918.9	2925.4	2939.8	2945.0	2973.8	2962.0	2985.5
15°	3063.9	3082.2	3067.8	3058.7	3061.3	3075.7	3074.4	3096.6	3084.8	3104.4
17.5°	3228.6	3252.1	3228.6	3227.3	3222.0	3237.7	3239.0	3258.6	3237.7	3252.1
20°	3423.2	3455.9	3436.3	3442.8	3431.1	3437.6	3444.1	3472.9	3440.2	3450.7
22.5°	3697.6	3736.8	3715.9	3740.7	3732.9	3727.7	3726.4	3777.3	3726.4	3730.3
25°	4097.4	4144.5	4107.9	4141.9	4141.9	4158.8	4178.4	4243.8	4158.8	4134.0
27.5°	4688.0	4735.0	4663.2	4684.1	4677.6	4719.4	4698.5	4860.5	4769.0	4728.5
30°	5398.8	5482.4	5346.5	5341.3	5334.8	5401.4	5431.5	5538.6	5445.8	5405.3
32.5°	6167.1	6254.6	6092.6	6045.5	6020.7	6061.2	6036.4	6122.6	6058.6	5995.9
35°	6979.7	7066.0	6911.8	6820.3	6721.0	6636.1	6547.3	6569.5	6509.4	6414.0
37.5°	7748.0	7906.1	7742.8	7644.8	7461.9	7295.9	7047.7	6944.5	6888.3	6800.7
40°	8530.7	8620.8	8496.7	8413.1	8214.5	7954.5	7557.3	7339.1	7263.3	7178.3
42.5°	9106.9	9193.1	9126.5	9069.0	8913.5	8611.7	8098.2	7825.1	7715.4	7620.0
45°	9564.2	9628.2	9586.4	9607.3	9540.6	9248.0	8658.7	8346.4	8232.8	8116.5
47.5°	9748.4	9816.3	9883.0	10007.1	10120.8	9905.2	9261.0	8910.9	8790.7	8671.8
50°	9727.5	9796.7	9990.1	10254.0	10606.8	10535.0	9896.0	9511.9	9400.8	9265.0
52.5°	9560.2	9638.6	9886.9	10325.9	10887.7	11006.6	10542.8	10132.5	10028.0	9866.0
55°	9121.2	9168.3	9540.6	10162.6	10954.4	11335.9	11176.5	10793.7	10689.1	10463.1
57.5°	8307.2	8375.2	8917.4	9722.3	10787.1	11559.3	11733.1	11488.8	11388.1	11062.8
60°	7245.0	7353.4	7974.1	8982.7	10361.2	11558.0	12238.7	12172.1	12088.5	11653.4
62.5°	6042.9	6168.4	6765.5	7937.5	9616.4	11230.1	12554.9	12744.4	12701.3	12198.2
65°	4641.0	4727.2	5321.7	6585.2	8457.5	10525.8	12591.5	13135.0	13142.9	12612.4
67.5°	3090.1	3338.3	3854.4	4941.5	6905.3	9374.7	12270.1	13199.1	13274.9	12754.8
70°	1507.8	1834.4	2340.1	3211.6	4941.5	7609.5	11430.0	12673.8	12842.4	12339.3
72.5°	625.9	731.7	1007.4	1584.9	2836.6	5134.9	9741.9	11249.7	11561.9	10933.5
75°	422.0	457.3	576.2	812.7	1292.2	2532.2	7025.5	8388.2	8891.3	8257.6
77.5°	325.3	347.6	419.4	568.4	768.3	957.7	3760.3	5055.2	5315.2	4920.6
80°	256.1	273.1	313.6	414.2	544.8	512.2	1281.8	2290.4	2440.7	2047.4
82.5°	222.1	228.7	224.7	280.9	361.9	299.2	420.7	845.4	932.9	676.8
85°	160.7	179.0	186.8	173.8	192.1	151.6	172.5	299.2	329.3	294.0
87.5°	65.3	96.7	118.9	112.4	70.6	43.1	53.6	87.5	100.6	109.8
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°
2758.2	0°	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2	2758.2
2759.5	2.5°	2760.8	2769.9	2776.5	2784.3	2789.5	2797.4	2813.1	2822.2	2823.5	2830.1
2780.4	5°	2785.6	2798.7	2813.1	2834.0	2857.5	2877.1	2907.1	2928.0	2935.9	2942.4
2831.4	7.5°	2839.2	2857.5	2883.6	2920.2	2954.2	2980.3	3016.9	3041.7	3066.5	3075.7
2912.4	10°	2918.9	2945.0	2982.9	3032.6	3069.2	3103.1	3141.0	3161.9	3186.7	3197.2
3009.1	12.5°	3018.2	3045.6	3095.3	3164.5	3198.5	3222.0	3235.1	3229.9	3235.1	3244.2
3125.3	15°	3131.9	3161.9	3218.1	3292.6	3316.1	3295.2	3266.4	3240.3	3236.4	3239.0
3266.4	17.5°	3266.4	3288.7	3354.0	3416.7	3399.7	3313.5	3250.8	3209.0	3188.1	3181.5
3446.8	20°	3454.6	3454.6	3508.2	3547.4	3433.7	3287.4	3189.4	3121.4	3078.3	3060.0
3692.4	22.5°	3683.2	3662.3	3696.3	3668.9	3427.2	3214.2	3078.3	2960.7	2895.4	2869.2
4036.0	25°	3973.3	3948.5	3939.3	3769.5	3380.1	3097.9	2877.1	2734.7	2677.2	2662.8
4531.2	27.5°	4411.0	4348.3	4229.4	3824.4	3293.9	2915.0	2641.9	2509.9	2477.3	2478.6
5167.5	30°	4993.7	4868.3	4576.9	3833.5	3152.8	2656.3	2401.5	2307.4	2291.7	2298.3
5701.9	32.5°	5533.4	5414.5	4932.3	3791.7	2935.9	2402.8	2185.9	2123.2	2099.7	2107.5
6109.6	35°	5956.7	5924.0	5261.6	3732.9	2669.3	2165.0	1992.5	1939.0	1893.2	1882.8
6493.7	37.5°	6356.5	6343.4	5508.5	3650.6	2405.4	1996.5	1837.1	1766.5	1699.9	1663.3
6918.3	40°	6795.5	6782.5	5670.6	3523.8	2171.5	1850.1	1697.2	1604.5	1522.2	1455.5
7399.2	42.5°	7289.4	7212.3	5747.6	3342.2	1972.9	1726.0	1583.6	1458.1	1349.7	1288.3
7942.7	45°	7829.0	7655.3	5746.3	3111.0	1805.7	1612.3	1462.1	1284.4	1183.8	1126.3
8500.6	47.5°	8401.3	8078.6	5675.8	2854.9	1643.7	1486.9	1273.9	1138.0	1071.4	1036.1
9106.9	50°	8991.9	8474.5	5555.6	2560.9	1477.7	1344.5	1156.3	1063.6	1012.6	979.9
9707.9	52.5°	9547.2	8833.8	5410.5	2227.7	1309.2	1206.0	1104.1	1032.2	978.6	942.0
10290.6	55°	10063.3	9143.4	5205.4	1886.7	1172.0	1113.2	1079.2	1019.1	957.7	914.6
10882.5	57.5°	10521.9	9344.7	4851.3	1566.6	1074.0	1049.2	1053.1	996.9	926.4	889.8
11465.2	60°	10903.4	9492.3	4327.4	1270.0	994.3	986.5	1012.6	955.1	872.8	831.0
11957.8	62.5°	11132.1	9489.7	3684.6	1040.0	926.4	929.0	959.0	902.8	819.2	780.0
12215.2	65°	11112.5	9257.1	2979.0	889.8	861.0	863.6	902.8	845.4	774.8	751.3
12085.9	67.5°	10719.2	8690.1	2285.2	791.8	789.2	800.9	846.7	806.2	747.4	744.8
11315.0	70°	9654.3	7512.8	1646.3	713.4	714.7	731.7	791.8	781.3	733.0	738.2
9513.2	72.5°	7741.5	5728.0	1105.4	631.1	632.4	659.8	739.5	761.7	718.6	787.9
6749.8	75°	5155.8	3572.2	710.8	543.5	544.8	580.1	693.8	723.8	679.4	785.3
3512.1	77.5°	2477.3	1605.8	514.8	457.3	457.3	490.0	599.7	648.1	578.8	610.2
1128.9	80°	855.8	603.6	405.0	368.5	360.6	382.8	505.6	561.8	499.1	459.9
368.5	82.5°	337.1	313.6	325.3	286.1	260.0	274.4	393.3	463.8	367.1	331.9
207.7	85°	193.4	203.8	230.0	189.5	150.3	168.5	288.8	333.2	277.0	244.3
67.9	87.5°	52.3	71.9	105.8	98.0	67.9	71.9	137.2	184.2	159.4	122.8
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°
2758.2
2828.7
2941.1
3077.0
3202.4
3246.9
3248.2
3190.7
3056.1
2865.3
2665.4
2482.5
2320.5
2118.0
1890.6
1664.6
1462.1
1292.2
1123.7
1028.3
968.2
926.4
897.6
866.3
812.7
768.3
750.0
748.7
736.9
798.3
791.8
559.2
431.2
330.6
249.6
126.7
0.0

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