

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: P852787

Luminaire Tested: **GLAN-SB6B-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852787  
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-SB6B-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21734 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

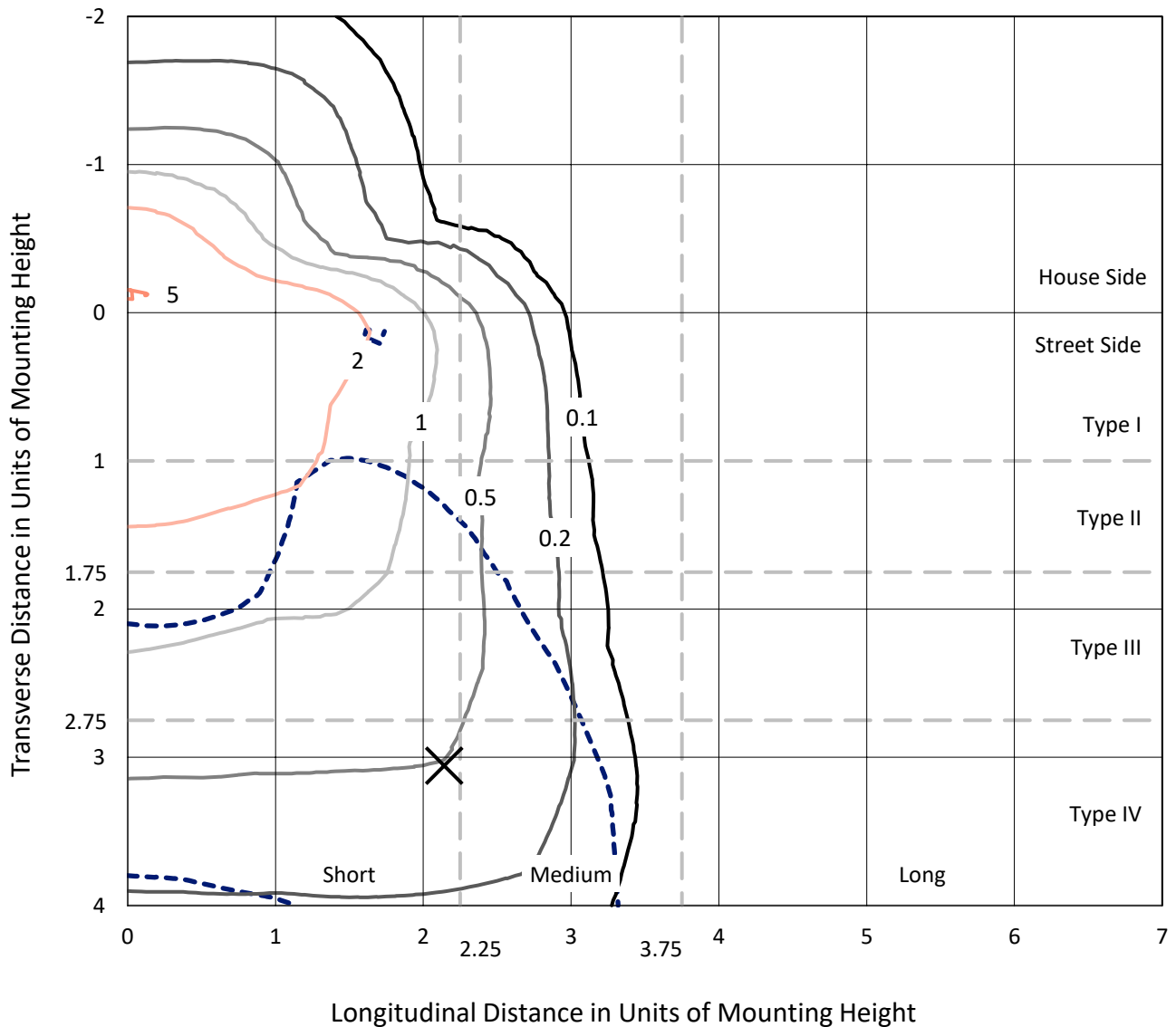
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

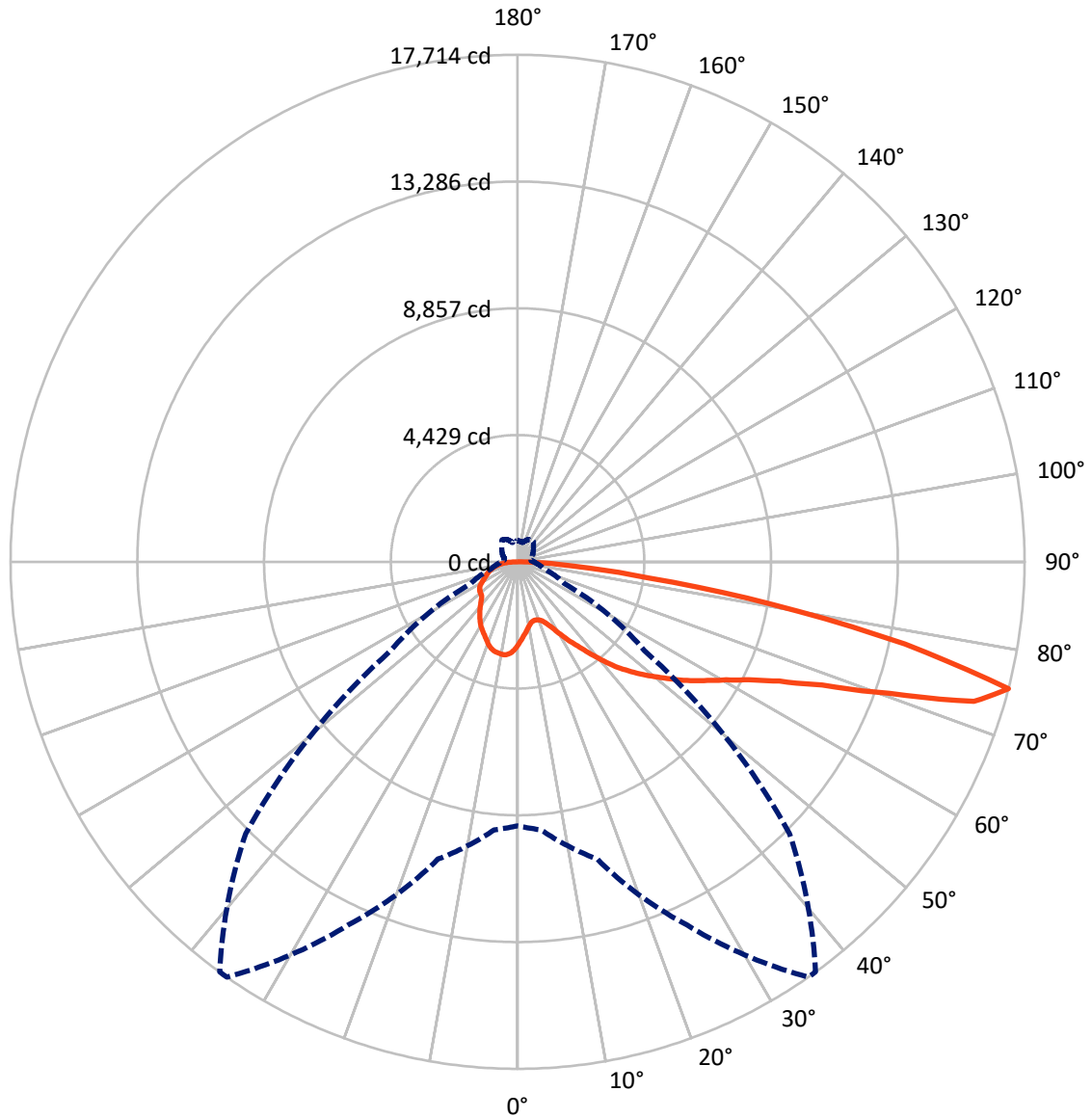
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	5172.1	0.0	5172.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	16561.9	0.0	16561.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	21734.0	0.0	21734.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.2	1.3
10°-20°	791.0	3.6
20°-30°	1328.2	6.1
30°-40°	2064.2	9.5
40°-50°	3063.9	14.1
50°-60°	4229.8	19.5
60°-70°	5131.8	23.6
70°-80°	4241.0	19.5
80°-90°	610.0	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°	21734.0	100.0
0°-180°	21734.0	100.0

**Coefficient of Utilization**



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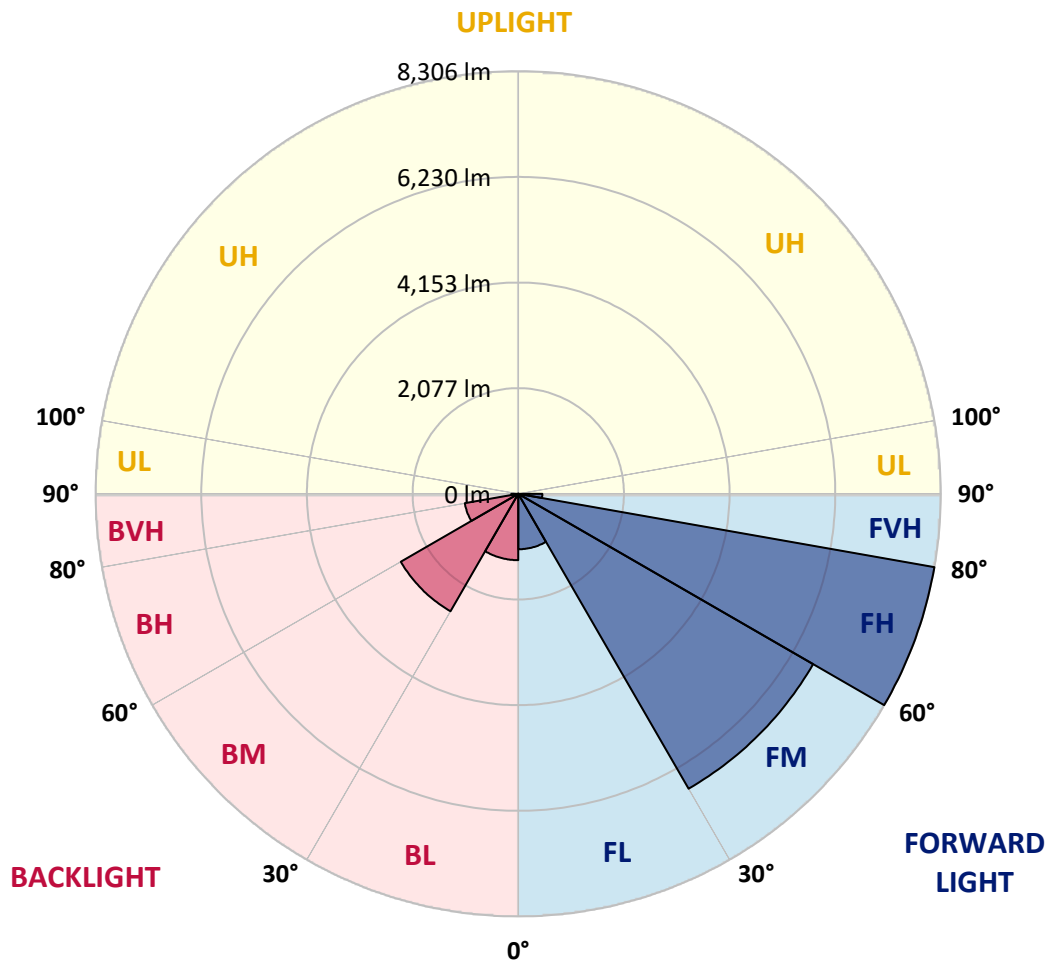
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1089.9	5.0			
FM (30°-60°)	6692.9	30.8			
FH (60°-80°)	8306.4	38.2			G4/12000
FVH (80°-90°)	472.6	2.2			G3/500
BL (0°-30°)	1303.5	6.0	B3/2500		
BM (30°-60°)	2665.0	12.3	B3/5000		
BH (60°-80°)	1066.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	137.4	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°	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2
2.5°	2670.6	2687.1	2694.1	2690.6	2708.2	2705.9	2730.5	2761.1	2803.4	2844.5
5°	2465.0	2482.6	2497.9	2512.0	2546.1	2556.6	2595.4	2654.2	2731.7	2810.4
7.5°	2273.5	2288.8	2312.3	2338.1	2395.7	2406.3	2470.9	2562.5	2670.6	2785.8
10°	2117.2	2132.5	2157.2	2186.5	2258.2	2271.1	2353.4	2475.6	2616.6	2762.3
12.5°	2050.3	2055.0	2069.1	2098.4	2160.7	2168.9	2259.4	2399.2	2563.7	2744.6
15°	2046.7	2056.1	2057.3	2072.6	2124.3	2127.8	2211.2	2349.9	2530.8	2741.1
17.5°	2082.0	2089.0	2078.5	2087.9	2131.3	2137.2	2203.0	2326.4	2520.2	2756.4
20°	2176.0	2181.8	2150.1	2137.2	2168.9	2173.6	2238.2	2341.6	2530.8	2788.1
22.5°	2375.7	2379.2	2301.7	2248.8	2251.2	2253.5	2309.9	2403.9	2571.9	2845.7
25°	2687.1	2684.7	2561.3	2459.1	2400.4	2387.5	2425.1	2505.0	2641.2	2922.1
27.5°	3051.3	3033.7	2910.3	2757.6	2629.5	2610.7	2602.5	2636.5	2739.9	3023.1
30°	3462.5	3446.1	3313.3	3113.6	2936.2	2905.6	2828.1	2810.4	2886.8	3160.6
32.5°	3913.7	3903.1	3744.5	3502.5	3265.1	3229.9	3099.5	3052.5	3112.4	3368.5
35°	4292.0	4282.6	4151.0	3901.9	3611.7	3568.3	3435.5	3382.6	3413.2	3635.2
37.5°	4633.9	4629.2	4516.4	4320.2	4020.6	3967.7	3818.5	3800.9	3795.0	3986.5
40°	4951.2	4939.4	4821.9	4718.5	4496.5	4448.3	4316.7	4301.4	4256.8	4418.9
42.5°	5302.5	5271.9	5101.5	5053.4	4993.5	4953.5	4874.8	4877.1	4778.4	4906.5
45°	5589.1	5571.5	5396.5	5368.3	5432.9	5416.4	5484.6	5502.2	5310.7	5417.6
47.5°	5897.0	5880.5	5732.5	5712.5	5887.6	5892.3	6133.1	6139.0	5830.0	5948.7
50°	6276.5	6253.0	6106.1	6130.8	6327.0	6344.6	6785.2	6745.3	6308.2	6488.0
52.5°	6526.7	6540.8	6509.1	6549.1	6816.9	6833.4	7426.7	7324.5	6781.7	7020.2
55°	6711.2	6739.4	6838.1	6929.7	7333.9	7350.4	8031.8	7875.6	7174.1	7513.7
57.5°	6948.5	6908.6	7093.1	7271.6	7825.0	7868.5	8620.5	8406.6	7521.9	7939.0
60°	7289.3	7261.1	7404.4	7668.8	8374.9	8444.2	9243.2	8884.8	7776.9	8276.2
62.5°	7980.1	7909.6	7932.0	8165.8	9068.1	9159.8	9945.8	9301.9	7903.8	8407.8
65°	9012.9	8891.9	8779.1	8941.2	10044.5	10134.9	10738.9	9629.7	7856.8	8152.8
67.5°	10313.5	10193.7	10055.1	10207.8	11482.6	11554.3	11717.6	9814.2	7486.7	7170.6
70°	11386.2	11341.6	11507.3	12135.9	13779.6	13781.9	12972.4	9661.4	6472.7	5083.9
72.5°	11244.1	11217.1	12090.0	14033.4	16674.6	16612.3	14160.3	8505.3	4360.2	2293.5
75°	9224.4	9399.4	10751.8	13999.3	17714.4	17706.2	13433.0	5407.0	1803.5	950.5
77.5°	4946.5	5223.7	6980.3	10335.9	13828.9	14036.9	9444.1	1891.6	774.3	608.6
80°	1613.2	1855.2	2782.2	5262.5	8985.9	8947.1	4047.6	742.6	529.9	431.2
82.5°	685.0	713.2	1243.1	2485.0	4611.6	4539.9	1288.9	426.5	372.5	294.9
85°	267.9	299.6	548.7	1149.1	1997.4	1953.9	465.3	211.5	238.5	192.7
87.5°	88.1	106.9	196.2	393.6	621.5	599.2	114.0	72.8	103.4	88.1
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°
2896.2	0°	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2
2904.4	2.5°	2920.9	2939.7	2962.0	2994.9	3023.1	3046.6	3071.3	3086.5	3092.4	3110.0
2909.1	5°	2942.0	2983.1	3038.4	3092.4	3145.3	3177.0	3205.2	3219.3	3232.2	3241.6
2922.1	7.5°	2977.3	3030.1	3117.1	3187.6	3232.2	3258.1	3276.9	3272.2	3276.9	3279.2
2936.2	10°	3007.8	3081.8	3185.2	3252.2	3286.3	3287.5	3282.8	3266.3	3258.1	3259.3
2957.3	12.5°	3044.2	3126.5	3238.1	3294.5	3303.9	3278.1	3258.1	3229.9	3219.3	3214.6
2989.0	15°	3093.6	3187.6	3295.7	3316.8	3293.3	3260.4	3226.4	3180.5	3157.0	3138.2
3043.1	17.5°	3153.5	3256.9	3340.3	3325.1	3274.5	3220.5	3165.3	3095.9	3047.8	3027.8
3117.1	20°	3236.9	3329.8	3374.4	3307.4	3231.1	3148.8	3054.8	2970.2	2925.6	2905.6
3211.1	22.5°	3338.0	3427.3	3407.3	3276.9	3168.8	3037.2	2919.7	2857.4	2835.1	2821.0
3332.1	25°	3459.0	3535.4	3430.8	3232.2	3066.6	2889.2	2798.7	2778.7	2768.1	2757.6
3480.1	27.5°	3616.4	3657.6	3448.4	3166.4	2906.8	2731.7	2698.8	2702.3	2698.8	2681.2
3685.8	30°	3824.4	3816.2	3464.9	3059.5	2723.5	2589.5	2591.9	2607.2	2609.5	2597.8
3972.4	32.5°	4098.2	4014.7	3473.1	2920.9	2548.4	2465.0	2467.4	2483.8	2495.6	2475.6
4347.2	35°	4429.5	4246.2	3460.2	2747.0	2413.3	2346.3	2328.7	2333.4	2336.9	2318.1
4801.9	37.5°	4816.0	4505.9	3402.6	2554.3	2301.7	2230.0	2192.4	2160.7	2141.9	2124.3
5316.6	40°	5240.2	4789.0	3296.9	2366.3	2177.1	2106.6	2050.3	1990.3	1926.9	1903.4
5861.7	42.5°	5684.3	5080.4	3168.8	2186.5	2033.8	1976.2	1916.3	1829.4	1734.2	1686.0
6428.0	45°	6144.9	5378.8	3043.1	2009.1	1886.9	1862.3	1792.9	1688.4	1585.0	1523.9
6995.5	47.5°	6596.1	5660.8	2858.6	1830.5	1749.5	1776.5	1722.4	1626.1	1511.0	1414.6
7558.3	50°	7027.3	5925.2	2556.6	1649.6	1637.9	1750.6	1698.9	1560.3	1428.7	1305.3
8110.5	52.5°	7454.9	6139.0	2170.1	1485.1	1577.9	1743.6	1668.4	1515.7	1354.7	1225.5
8629.9	55°	7818.0	6249.5	1797.6	1344.1	1491.0	1683.7	1632.0	1462.8	1250.1	1112.7
8985.9	57.5°	8024.8	6160.2	1487.5	1205.5	1371.1	1585.0	1569.7	1350.0	1125.6	1019.8
9055.2	60°	7935.5	5798.3	1233.7	1084.5	1257.2	1478.1	1461.6	1238.4	1030.4	930.5
8683.9	62.5°	7443.2	5108.6	1032.8	978.7	1153.8	1368.8	1353.5	1152.6	957.6	861.2
7698.1	65°	6451.5	4155.7	876.5	890.6	1049.2	1237.2	1259.5	1080.9	900.0	806.0
5955.7	67.5°	4920.6	3010.2	754.3	814.2	947.0	1108.0	1172.6	1029.2	851.8	762.5
3446.1	70°	2804.6	1709.5	650.9	740.2	856.5	988.1	1105.6	988.1	800.1	726.1
1291.2	72.5°	1063.3	784.9	562.8	666.2	769.6	887.1	1031.6	923.5	740.2	685.0
667.4	75°	567.5	478.2	473.5	579.2	669.7	788.4	938.8	860.0	695.6	723.8
461.7	77.5°	386.6	338.4	396.0	495.8	560.4	679.1	840.1	763.7	602.7	600.4
319.6	80°	267.9	239.7	321.9	399.5	433.5	571.0	733.2	655.6	491.1	458.2
197.4	82.5°	161.0	156.3	240.9	298.4	306.7	440.6	607.4	549.9	401.8	350.1
117.5	85°	88.1	92.8	153.9	175.1	178.6	307.8	475.8	425.3	309.0	259.7
42.3	87.5°	24.7	31.7	56.4	69.3	85.8	159.8	283.2	252.6	155.1	108.1
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°
2896.2
3108.9
3244.0
3282.8
3261.6
3212.3
3144.1
3029.0
2903.3
2823.4
2757.6
2684.7
2603.6
2485.0
2331.1
2136.0
1914.0
1691.9
1519.2
1404.0
1294.8
1211.4
1100.9
1005.7
916.4
845.9
790.7
748.4
716.7
675.6
747.3
553.4
438.2
352.5
262.0
108.1
0.0

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