

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: P847698

Luminaire Tested: **GLAN-SB3D-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847698
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-SB3D-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20612 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

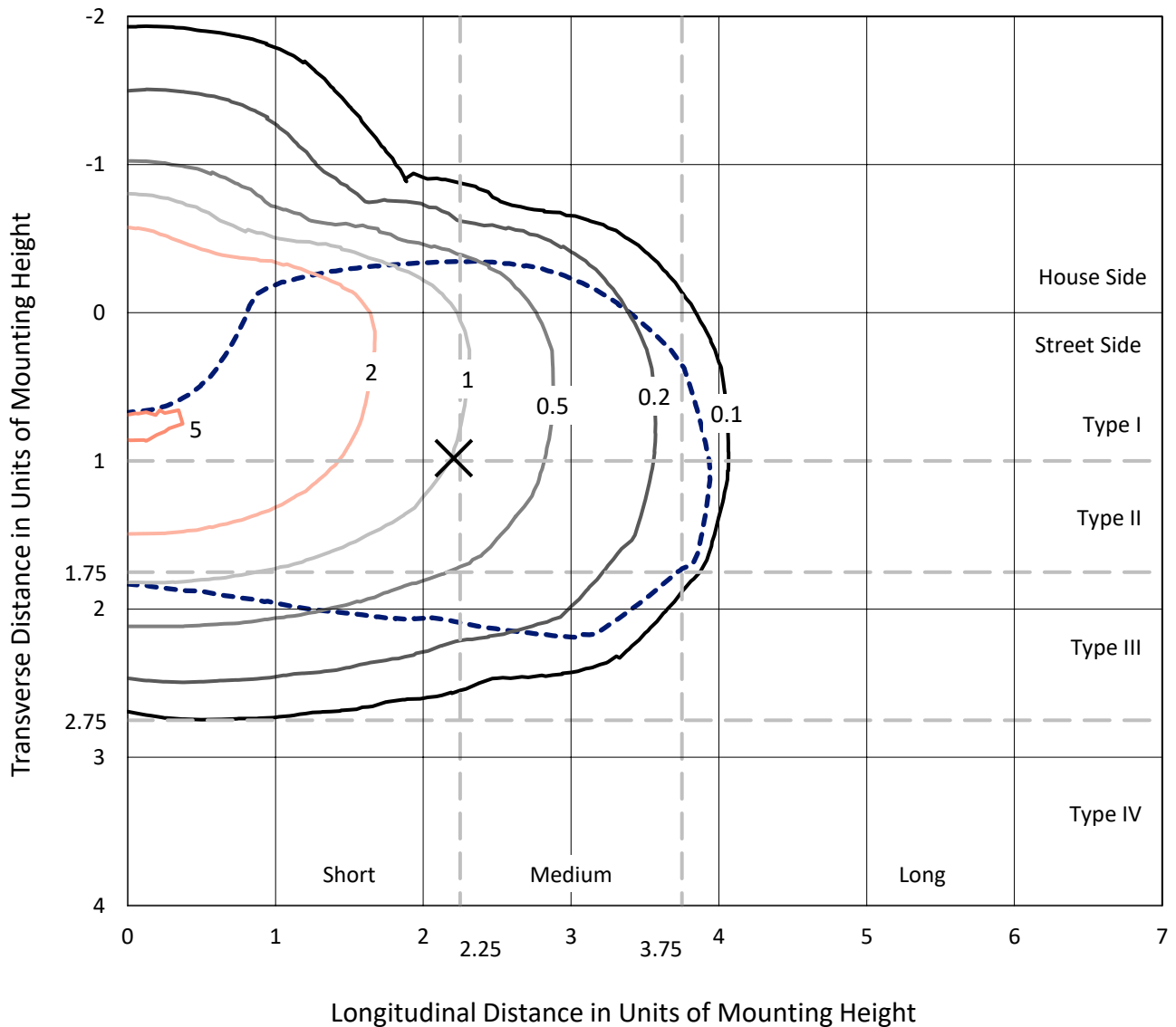
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

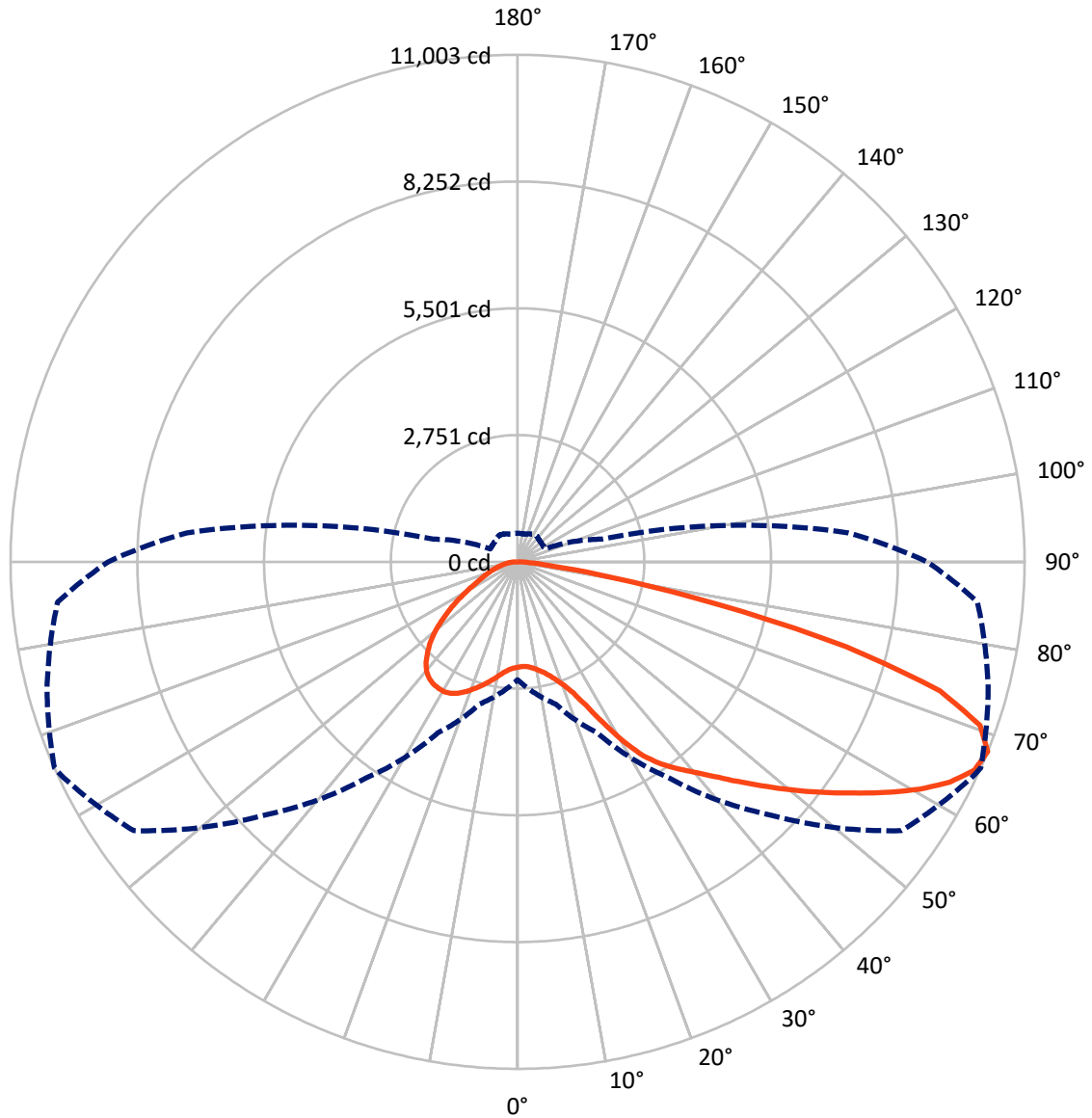
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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
House Side	Lumens	5125.1	0.0	5125.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15486.9	0.0	15486.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	20612.0	0.0	20612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	1.1
10°-20°	748.9	3.6
20°-30°	1443.4	7.0
30°-40°	2530.8	12.3
40°-50°	3762.5	18.3
50°-60°	4769.3	23.1
60°-70°	4666.6	22.6
70°-80°	2226.0	10.8
80°-90°	237.9	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°	20612.0	100.0
0°-180°	20612.0	100.0

Coefficient of Utilization



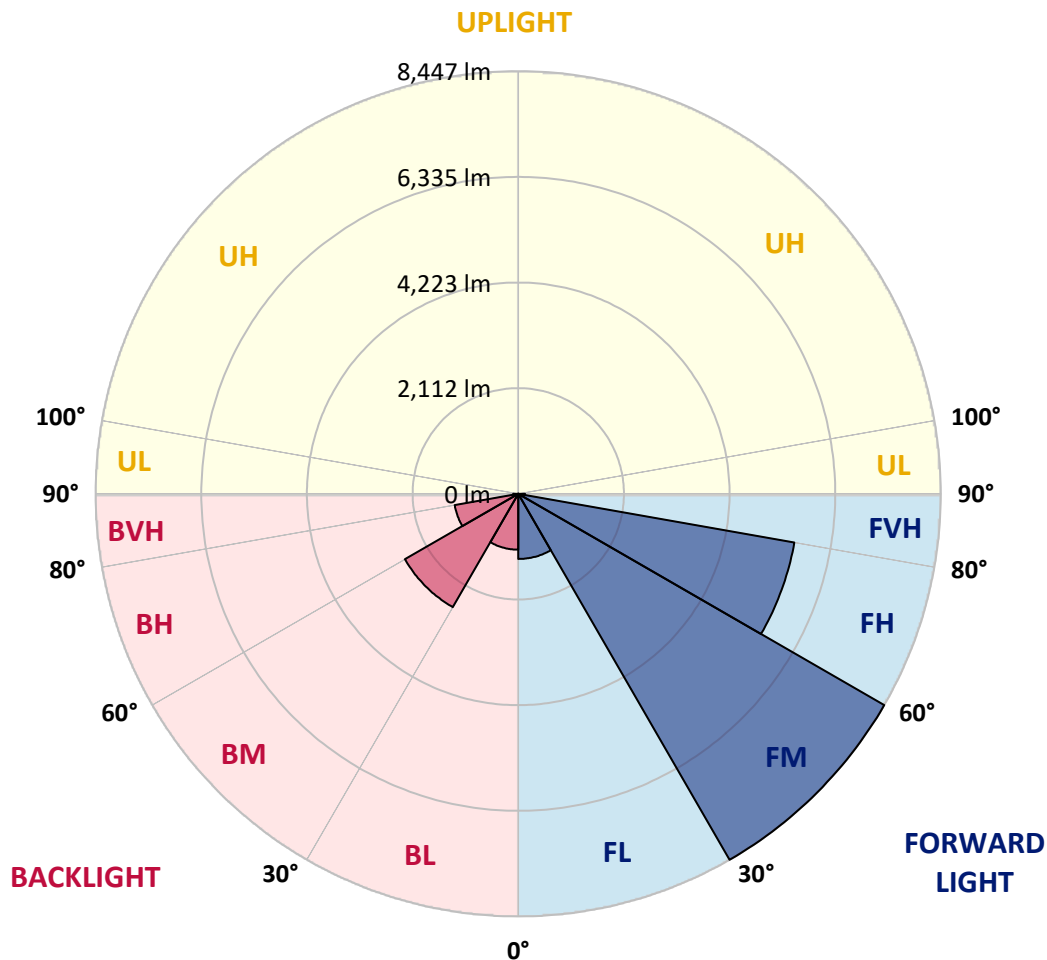
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1302.5	6.3			
FM (30°-60°)	8446.6	41.0			
FH (60°-80°)	5602.9	27.2			G3/7500
FVH (80°-90°)	134.9	0.7			G2/225
BL (0°-30°)	1116.4	5.4	B3/2500		
BM (30°-60°)	2615.9	12.7	B3/5000		
BH (60°-80°)	1289.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	103.0	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°	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1
2.5°	2262.3	2275.3	2272.1	2266.6	2265.6	2267.7	2271.0	2274.2	2273.1	2278.6
5°	2255.8	2268.8	2267.7	2267.7	2272.1	2280.7	2286.1	2291.6	2286.1	2292.6
7.5°	2260.2	2269.9	2274.2	2278.6	2289.4	2305.6	2318.6	2330.5	2324.0	2331.6
10°	2315.4	2323.0	2327.3	2327.3	2334.9	2353.3	2366.3	2387.9	2382.5	2394.4
12.5°	2416.1	2423.7	2423.7	2419.3	2424.8	2436.7	2441.0	2464.8	2455.1	2474.6
15°	2539.6	2554.7	2542.8	2535.2	2537.4	2549.3	2548.2	2566.6	2556.9	2573.1
17.5°	2676.0	2695.5	2676.0	2674.9	2670.6	2683.6	2684.7	2700.9	2683.6	2695.5
20°	2837.4	2864.4	2848.2	2853.6	2843.9	2849.3	2854.7	2878.5	2851.5	2860.1
22.5°	3064.8	3097.3	3080.0	3100.5	3094.0	3089.7	3088.6	3130.9	3088.6	3091.9
25°	3396.2	3435.2	3404.8	3433.0	3433.0	3447.1	3463.3	3517.5	3447.1	3426.5
27.5°	3885.7	3924.7	3865.1	3882.4	3877.0	3911.7	3894.3	4028.6	3952.8	3919.3
30°	4474.8	4544.1	4431.5	4427.2	4421.8	4477.0	4501.9	4590.7	4513.8	4480.2
32.5°	5111.6	5184.2	5049.9	5010.9	4990.3	5023.9	5003.3	5074.8	5021.7	4969.7
35°	5785.2	5856.7	5728.9	5653.1	5570.8	5500.4	5426.7	5445.2	5395.3	5316.3
37.5°	6422.0	6553.0	6417.7	6336.4	6184.8	6047.3	5841.5	5756.0	5709.4	5636.8
40°	7070.7	7145.4	7042.5	6973.2	6808.6	6593.1	6263.9	6083.0	6020.2	5949.8
42.5°	7548.3	7619.8	7564.5	7516.9	7388.0	7137.8	6712.2	6485.9	6394.9	6315.9
45°	7927.3	7980.4	7945.7	7963.1	7907.8	7665.2	7176.8	6918.0	6823.8	6727.4
47.5°	8080.0	8136.3	8191.6	8294.4	8388.7	8210.0	7676.1	7385.8	7286.2	7187.7
50°	8062.7	8120.1	8280.4	8499.1	8791.5	8732.0	8202.4	7884.0	7791.9	7679.3
52.5°	7924.1	7989.0	8194.8	8558.7	9024.4	9122.9	8738.5	8398.4	8311.8	8177.5
55°	7560.2	7599.2	7907.8	8423.3	9079.6	9395.8	9263.7	8946.4	8859.8	8672.4
57.5°	6885.5	6941.8	7391.2	8058.4	8941.0	9581.0	9725.0	9522.5	9439.1	9169.5
60°	6005.1	6094.9	6609.3	7445.4	8587.9	9579.9	10144.2	10088.9	10019.6	9659.0
62.5°	5008.7	5112.7	5607.6	6579.0	7970.6	9308.1	10406.2	10563.3	10527.5	10110.6
65°	3846.7	3918.2	4410.9	5458.2	7010.0	8724.4	10436.6	10887.1	10893.6	10453.9
67.5°	2561.2	2767.0	3194.8	4095.8	5723.5	7770.3	10170.1	10940.1	11002.9	10571.9
70°	1249.7	1520.5	1939.6	2661.9	4095.8	6307.2	9473.8	10504.8	10644.5	10227.5
72.5°	518.7	606.5	835.0	1313.6	2351.1	4256.1	8074.6	9324.3	9583.2	9062.3
75°	349.8	379.0	477.6	673.6	1071.1	2098.8	5823.1	6952.6	7369.6	6844.4
77.5°	269.7	288.1	347.6	471.1	636.8	793.8	3116.8	4190.0	4405.5	4078.5
80°	212.3	226.3	259.9	343.3	451.6	424.5	1062.4	1898.4	2023.0	1697.0
82.5°	184.1	189.5	186.3	232.8	300.0	248.0	348.7	700.7	773.2	561.0
85°	133.2	148.4	154.9	144.0	159.2	125.6	143.0	248.0	272.9	243.7
87.5°	54.1	80.1	98.5	93.1	58.5	35.7	44.4	72.6	83.4	91.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2286.1	0°	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1	2286.1
2287.2	2.5°	2288.3	2295.9	2301.3	2307.8	2312.1	2318.6	2331.6	2339.2	2340.3	2345.7
2304.6	5°	2308.9	2319.7	2331.6	2349.0	2368.4	2384.7	2409.6	2426.9	2433.4	2438.8
2346.8	7.5°	2353.3	2368.4	2390.1	2420.4	2448.6	2470.2	2500.6	2521.1	2541.7	2549.3
2413.9	10°	2419.3	2441.0	2472.4	2513.6	2543.9	2572.0	2603.5	2620.8	2641.4	2650.0
2494.1	12.5°	2501.7	2524.4	2565.5	2622.9	2651.1	2670.6	2681.4	2677.1	2681.4	2689.0
2590.5	15°	2595.9	2620.8	2667.3	2729.1	2748.6	2731.2	2707.4	2685.8	2682.5	2684.7
2707.4	17.5°	2707.4	2725.8	2780.0	2832.0	2817.9	2746.4	2694.4	2659.8	2642.4	2637.0
2856.9	20°	2863.4	2863.4	2907.8	2940.3	2846.0	2724.7	2643.5	2587.2	2551.5	2536.3
3060.5	22.5°	3052.9	3035.6	3063.7	3041.0	2840.6	2664.1	2551.5	2454.0	2399.9	2378.2
3345.3	25°	3293.3	3272.7	3265.1	3124.4	2801.6	2567.7	2384.7	2266.6	2219.0	2207.1
3755.7	27.5°	3656.1	3604.1	3505.6	3169.8	2730.2	2416.1	2189.8	2080.4	2053.3	2054.4
4283.1	30°	4139.1	4035.1	3793.6	3177.4	2613.2	2201.7	1990.5	1912.5	1899.5	1904.9
4726.1	32.5°	4586.4	4487.8	4088.2	3142.8	2433.4	1991.6	1811.8	1759.8	1740.3	1746.8
5064.0	35°	4937.2	4910.2	4361.1	3094.0	2212.5	1794.5	1651.5	1607.1	1569.2	1560.6
5382.3	37.5°	5268.6	5257.8	4565.8	3025.8	1993.7	1654.8	1522.7	1464.2	1408.9	1378.6
5734.3	40°	5632.5	5621.7	4700.1	2920.8	1799.9	1533.5	1406.8	1329.9	1261.7	1206.4
6132.8	42.5°	6041.9	5978.0	4764.0	2770.2	1635.3	1430.6	1312.6	1208.6	1118.7	1067.8
6583.4	45°	6489.1	6345.1	4762.9	2578.5	1496.7	1336.4	1211.8	1064.6	981.2	933.5
7045.8	47.5°	6963.5	6696.0	4704.4	2366.3	1362.4	1232.4	1055.9	943.3	888.0	858.8
7548.3	50°	7453.0	7024.1	4604.8	2122.6	1224.8	1114.4	958.4	881.5	839.3	812.2
8046.4	52.5°	7913.2	7321.9	4484.6	1846.5	1085.1	999.6	915.1	855.5	811.1	780.8
8529.4	55°	8341.0	7578.6	4314.5	1563.8	971.4	922.7	894.5	844.7	793.8	758.1
9020.0	57.5°	8721.1	7745.4	4021.1	1298.5	890.2	869.6	872.9	826.3	767.8	737.5
9503.0	60°	9037.4	7867.8	3586.8	1052.6	824.1	817.6	839.3	791.6	723.4	688.8
9911.3	62.5°	9226.9	7865.6	3054.0	862.0	767.8	770.0	794.9	748.3	679.0	646.5
10124.7	65°	9210.6	7672.8	2469.2	737.5	713.7	715.8	748.3	700.7	642.2	622.7
10017.4	67.5°	8884.7	7202.8	1894.1	656.3	654.1	663.9	701.8	668.2	619.5	617.3
9378.5	70°	8002.0	6227.1	1364.5	591.3	592.4	606.5	656.3	647.6	607.5	611.9
7885.1	72.5°	6416.6	4747.7	916.2	523.1	524.2	546.9	613.0	631.4	595.6	653.0
5594.6	75°	4273.4	2960.8	589.1	450.5	451.6	480.8	575.1	600.0	563.1	650.9
2911.0	77.5°	2053.3	1331.0	426.7	379.0	379.0	406.1	497.1	537.2	479.8	505.7
935.7	80°	709.3	500.3	335.7	305.4	298.9	317.3	419.1	465.7	413.7	381.2
305.4	82.5°	279.4	259.9	269.7	237.2	215.5	227.4	326.0	384.5	304.3	275.1
172.2	85°	160.3	168.9	190.6	157.0	124.5	139.7	239.3	276.2	229.6	202.5
56.3	87.5°	43.3	59.6	87.7	81.2	56.3	59.6	113.7	152.7	132.1	101.8
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°
2286.1
2344.6
2437.8
2550.4
2654.4
2691.2
2692.3
2644.6
2533.1
2374.9
2209.3
2057.6
1923.3
1755.5
1567.1
1379.7
1211.8
1071.1
931.4
852.3
802.5
767.8
744.0
718.0
673.6
636.8
621.6
620.5
610.8
661.7
656.3
463.5
357.4
274.0
206.8
105.0
0.0

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