

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: P849908

Luminaire Tested: **GLAN-SB7A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849908
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-SB7A-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21537 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

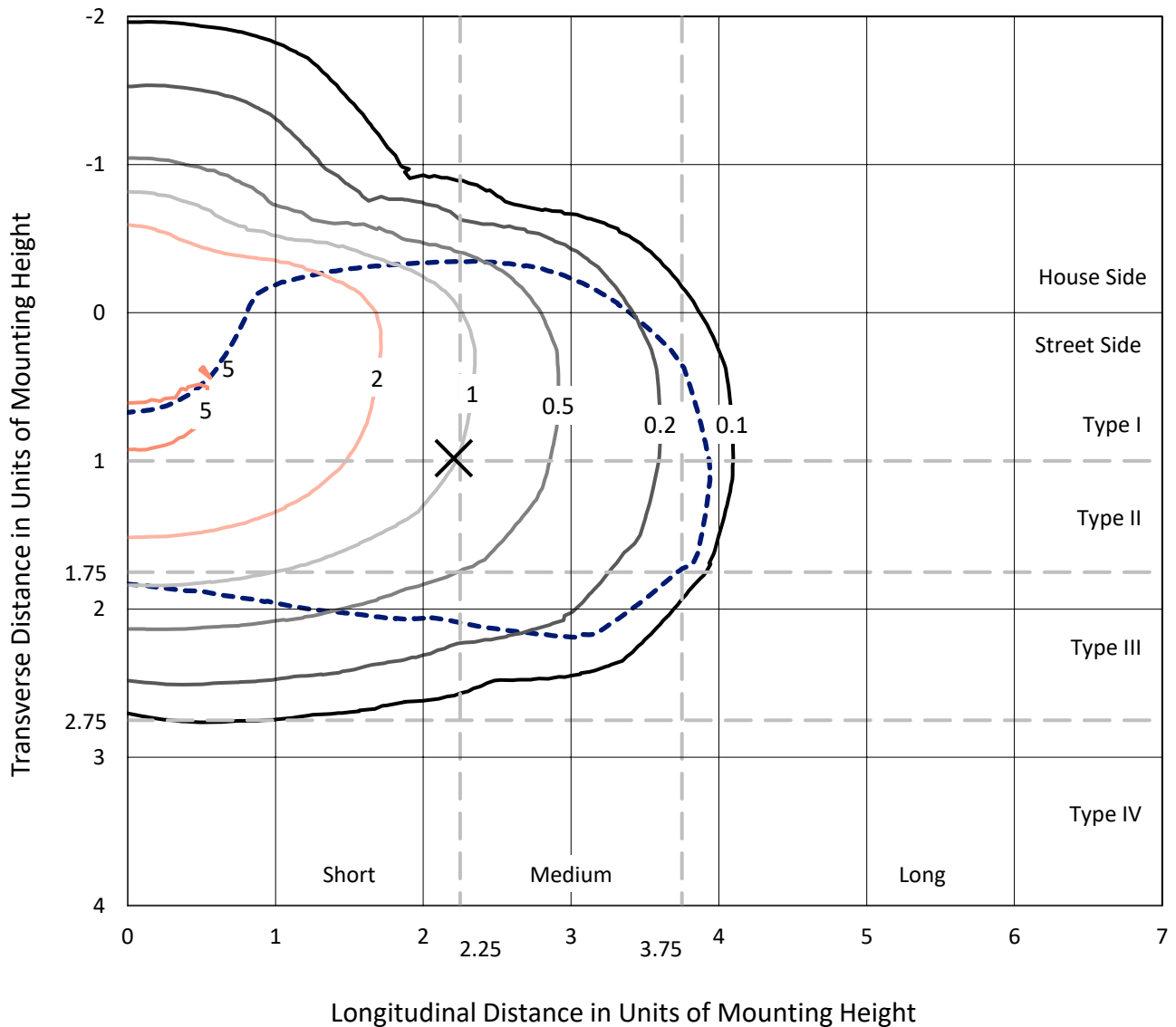
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

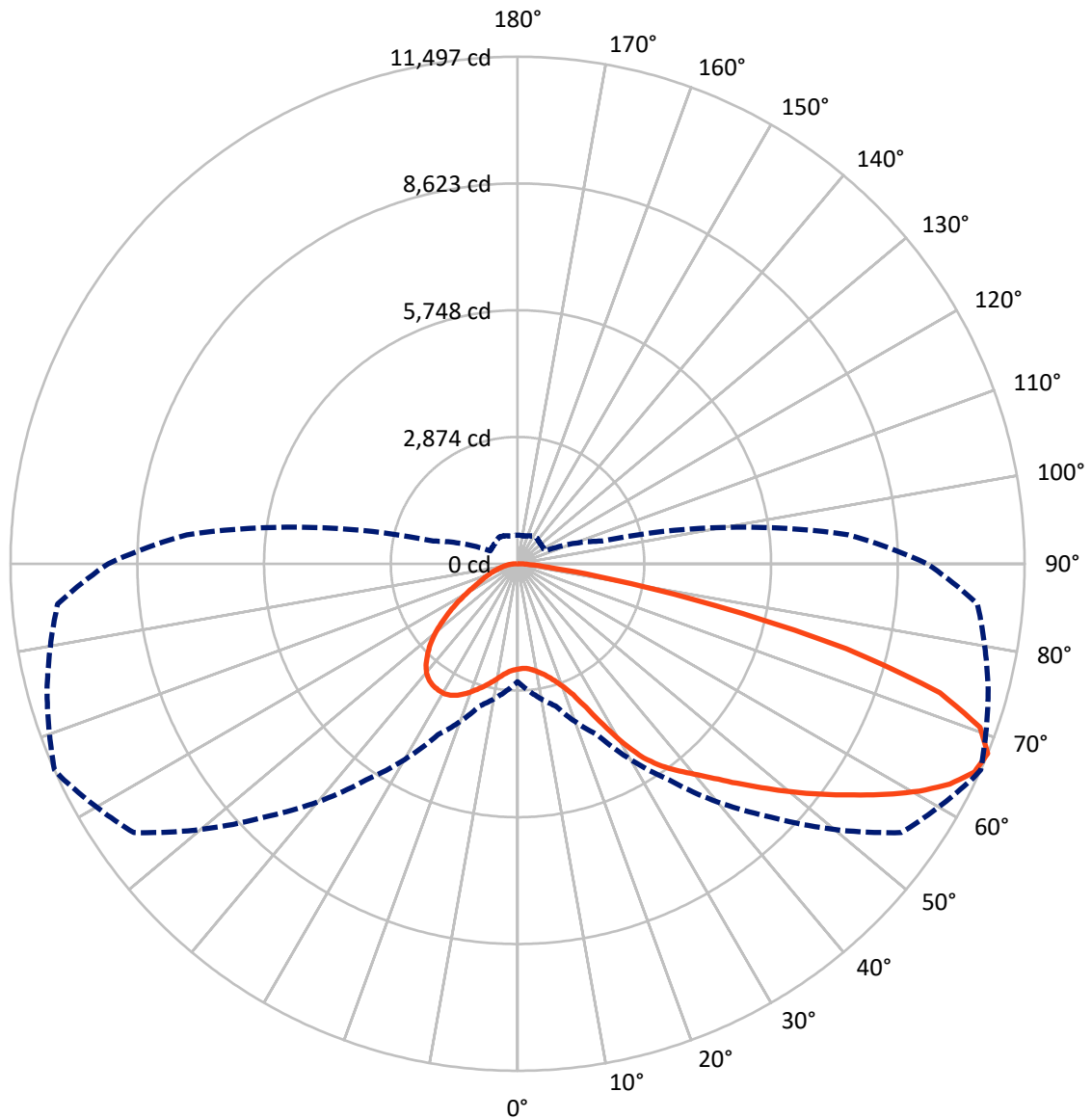
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	5355.1	0.0	5355.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16181.9	0.0	16181.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	21537.0	0.0	21537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	1.1
10°-20°	782.5	3.6
20°-30°	1508.2	7.0
30°-40°	2644.4	12.3
40°-50°	3931.3	18.3
50°-60°	4983.3	23.1
60°-70°	4876.0	22.6
70°-80°	2325.9	10.8
80°-90°	248.6	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°	21537.0	100.0
0°-180°	21537.0	100.0

Coefficient of Utilization



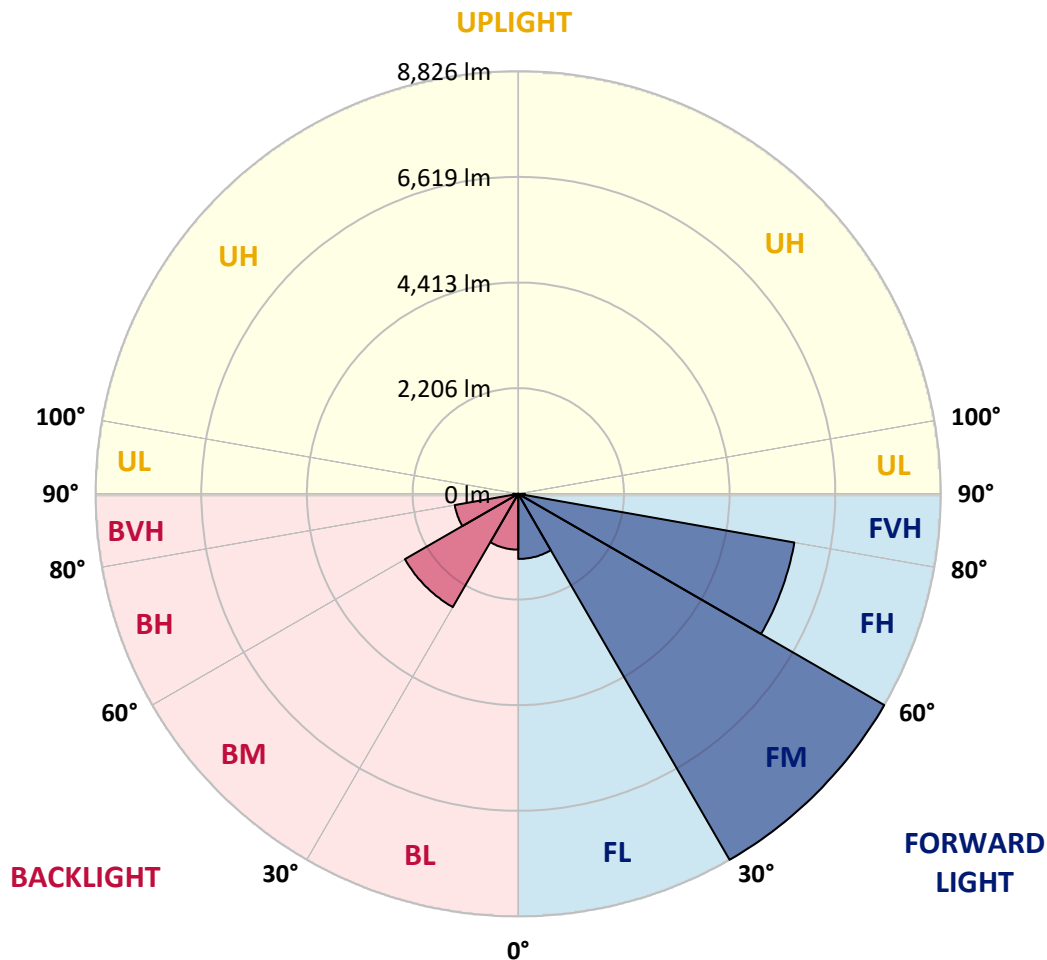
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1360.9	6.3			
FM (30°-60°)	8825.7	41.0			
FH (60°-80°)	5854.3	27.2			G3/7500
FVH (80°-90°)	140.9	0.7			G2/225
BL (0°-30°)	1166.5	5.4	B3/2500		
BM (30°-60°)	2733.3	12.7	B3/5000		
BH (60°-80°)	1347.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	107.6	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°	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7
2.5°	2363.8	2377.4	2374.0	2368.4	2367.2	2369.5	2372.9	2376.3	2375.2	2380.8
5°	2357.1	2370.6	2369.5	2369.5	2374.0	2383.1	2388.7	2394.4	2388.7	2395.5
7.5°	2361.6	2371.8	2376.3	2380.8	2392.1	2409.1	2422.7	2435.1	2428.3	2436.3
10°	2419.3	2427.2	2431.7	2431.7	2439.7	2458.9	2472.5	2495.1	2489.4	2501.9
12.5°	2524.5	2532.4	2532.4	2527.9	2533.6	2546.0	2550.6	2575.4	2565.3	2585.6
15°	2653.5	2669.4	2656.9	2649.0	2651.3	2663.7	2662.6	2681.8	2671.6	2688.6
17.5°	2796.1	2816.5	2796.1	2795.0	2790.4	2804.0	2805.2	2822.1	2804.0	2816.5
20°	2964.7	2993.0	2976.0	2981.7	2971.5	2977.2	2982.8	3007.7	2979.4	2988.5
22.5°	3202.3	3236.3	3218.2	3239.7	3232.9	3228.4	3227.2	3271.4	3227.2	3230.6
25°	3548.6	3589.3	3557.6	3587.1	3587.1	3601.8	3618.8	3675.3	3601.8	3580.3
27.5°	4060.1	4100.8	4038.6	4056.7	4051.0	4087.2	4069.1	4209.4	4130.2	4095.1
30°	4675.6	4748.1	4630.4	4625.8	4620.2	4677.9	4703.9	4796.7	4716.4	4681.3
32.5°	5341.0	5416.8	5276.5	5235.8	5214.3	5249.3	5227.8	5302.5	5247.1	5192.8
35°	6044.8	6119.5	5986.0	5906.8	5820.8	5747.2	5670.3	5689.5	5637.5	5554.9
37.5°	6710.2	6847.1	6705.7	6620.8	6462.4	6318.7	6103.7	6014.3	5965.6	5889.8
40°	7388.0	7466.1	7358.6	7286.2	7114.2	6889.0	6545.0	6356.0	6290.4	6216.8
42.5°	7887.0	7961.7	7904.0	7854.2	7719.6	7458.2	7013.5	6777.0	6681.9	6599.3
45°	8283.1	8338.5	8302.3	8320.4	8262.7	8009.2	7498.9	7228.4	7130.0	7029.3
47.5°	8442.6	8501.5	8559.2	8666.7	8765.1	8578.4	8020.5	7717.3	7613.2	7510.2
50°	8424.5	8484.5	8652.0	8880.5	9186.1	9123.8	8570.5	8237.8	8141.6	8023.9
52.5°	8279.7	8347.6	8562.6	8942.8	9429.3	9532.3	9130.6	8775.3	8684.8	8544.5
55°	7899.5	7940.2	8262.7	8801.3	9487.1	9817.5	9679.4	9347.9	9257.3	9061.6
57.5°	7194.5	7253.3	7722.9	8420.0	9342.2	10011.0	10161.5	9949.9	9862.7	9581.0
60°	6274.5	6368.5	6906.0	7779.5	8973.3	10009.8	10599.4	10541.7	10469.3	10092.4
62.5°	5233.5	5342.1	5859.3	6874.3	8328.3	9725.8	10873.2	11037.3	11000.0	10564.3
65°	4019.3	4094.0	4608.9	5703.1	7324.6	9115.9	10904.9	11375.6	11382.4	10923.0
67.5°	2676.2	2891.2	3338.1	4279.6	5980.3	8119.0	10626.5	11431.1	11496.7	11046.4
70°	1305.8	1588.7	2026.6	2781.4	4279.6	6590.2	9898.9	10976.2	11122.2	10686.5
72.5°	542.0	633.7	872.4	1372.6	2456.6	4447.1	8437.0	9742.8	10013.2	9469.0
75°	365.5	396.0	499.0	703.8	1119.1	2193.0	6084.4	7264.7	7700.3	7151.5
77.5°	281.8	301.0	363.2	492.2	665.4	829.4	3256.6	4378.0	4603.2	4261.5
80°	221.8	236.5	271.6	358.7	471.9	443.6	1110.1	1983.6	2113.8	1773.2
82.5°	192.4	198.0	194.6	243.3	313.4	259.1	364.4	732.1	807.9	586.2
85°	139.2	155.0	161.8	150.5	166.3	131.3	149.4	259.1	285.2	254.6
87.5°	56.6	83.7	103.0	97.3	61.1	37.3	46.4	75.8	87.1	95.1
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°
2388.7	0°	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7	2388.7
2389.9	2.5°	2391.0	2398.9	2404.6	2411.4	2415.9	2422.7	2436.3	2444.2	2445.3	2451.0
2408.0	5°	2412.5	2423.8	2436.3	2454.4	2474.7	2491.7	2517.7	2535.8	2542.6	2548.3
2452.1	7.5°	2458.9	2474.7	2497.4	2529.1	2558.5	2581.1	2612.8	2634.3	2655.8	2663.7
2522.3	10°	2527.9	2550.6	2583.4	2626.4	2658.1	2687.5	2720.3	2738.4	2759.9	2768.9
2606.0	12.5°	2613.9	2637.7	2680.7	2740.7	2770.1	2790.4	2801.8	2797.2	2801.8	2809.7
2706.7	15°	2712.4	2738.4	2787.0	2851.5	2871.9	2853.8	2828.9	2806.3	2802.9	2805.2
2828.9	17.5°	2828.9	2848.2	2904.7	2959.0	2944.3	2869.7	2815.3	2779.1	2761.0	2755.4
2985.1	20°	2991.9	2991.9	3038.3	3072.2	2973.8	2847.0	2762.2	2703.3	2666.0	2650.1
3197.8	22.5°	3189.9	3171.8	3201.2	3177.4	2968.1	2783.7	2666.0	2564.1	2507.6	2484.9
3495.4	25°	3441.1	3419.6	3411.7	3264.6	2927.4	2682.9	2491.7	2368.4	2318.6	2306.1
3924.3	27.5°	3820.2	3765.9	3662.9	3312.1	2852.7	2524.5	2288.0	2173.7	2145.5	2146.6
4475.3	30°	4324.8	4216.2	3963.9	3320.0	2730.5	2300.5	2079.8	1998.3	1984.8	1990.4
4938.2	32.5°	4792.2	4689.2	4271.7	3283.8	2542.6	2081.0	1893.1	1838.8	1818.4	1825.2
5291.2	35°	5158.8	5130.5	4556.8	3232.9	2311.8	1875.0	1725.6	1679.2	1639.6	1630.6
5623.9	37.5°	5505.1	5493.8	4770.7	3161.6	2083.2	1729.0	1591.0	1529.9	1472.2	1440.5
5991.6	40°	5885.3	5874.0	4911.0	3051.8	1880.7	1602.3	1469.9	1389.6	1318.3	1260.6
6408.1	42.5°	6313.0	6246.2	4977.8	2894.5	1708.7	1494.8	1371.5	1262.8	1168.9	1115.7
6878.8	45°	6780.3	6629.9	4976.6	2694.3	1563.8	1396.4	1266.2	1112.3	1025.2	975.4
7362.0	47.5°	7276.0	6996.5	4915.5	2472.5	1423.5	1287.7	1103.3	985.6	927.9	897.3
7887.0	50°	7787.4	7339.3	4811.4	2217.9	1279.8	1164.4	1001.4	921.1	877.0	848.7
8407.5	52.5°	8268.4	7650.5	4685.8	1929.3	1133.8	1044.4	956.2	893.9	847.5	815.9
8912.2	55°	8715.3	7918.7	4508.2	1634.0	1015.0	964.1	934.7	882.6	829.4	792.1
9424.8	57.5°	9112.5	8093.0	4201.5	1356.7	930.1	908.6	912.0	863.4	802.3	770.6
9929.5	60°	9442.9	8220.8	3747.7	1099.9	861.1	854.3	877.0	827.2	755.9	719.7
10356.1	62.5°	9641.0	8218.6	3191.0	900.7	802.3	804.5	830.6	781.9	709.5	675.5
10579.0	65°	9624.0	8017.2	2580.0	770.6	745.7	748.0	781.9	732.1	671.0	650.7
10467.0	67.5°	9283.4	7526.1	1979.1	685.7	683.5	693.7	733.3	698.2	647.3	645.0
9799.4	70°	8361.1	6506.5	1425.8	617.8	619.0	633.7	685.7	676.7	634.8	639.3
8238.9	72.5°	6704.5	4960.8	957.3	546.5	547.7	571.4	640.5	659.7	622.4	682.3
5845.7	75°	4465.2	3093.7	615.6	470.7	471.9	502.4	600.9	626.9	588.4	680.1
3041.7	77.5°	2145.5	1390.7	445.8	396.0	396.0	424.3	519.4	561.3	501.3	528.4
977.7	80°	741.2	522.8	350.8	319.1	312.3	331.5	437.9	486.6	432.3	398.3
319.1	82.5°	291.9	271.6	281.8	247.8	225.2	237.6	340.6	401.7	318.0	287.4
179.9	85°	167.5	176.5	199.2	164.1	130.1	146.0	250.1	288.5	239.9	211.6
58.8	87.5°	45.3	62.2	91.7	84.9	58.8	62.2	118.8	159.6	138.1	106.4
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°
2388.7
2449.8
2547.2
2664.8
2773.5
2811.9
2813.1
2763.3
2646.7
2481.5
2308.4
2150.0
2009.7
1834.3
1637.4
1441.6
1266.2
1119.1
973.1
890.5
838.5
802.3
777.4
750.2
703.8
665.4
649.5
648.4
638.2
691.4
685.7
484.3
373.4
286.3
216.1
109.8
0.0

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