

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: P848448

Luminaire Tested: **GLAN-SB5A-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848448
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-SB5A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22251 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

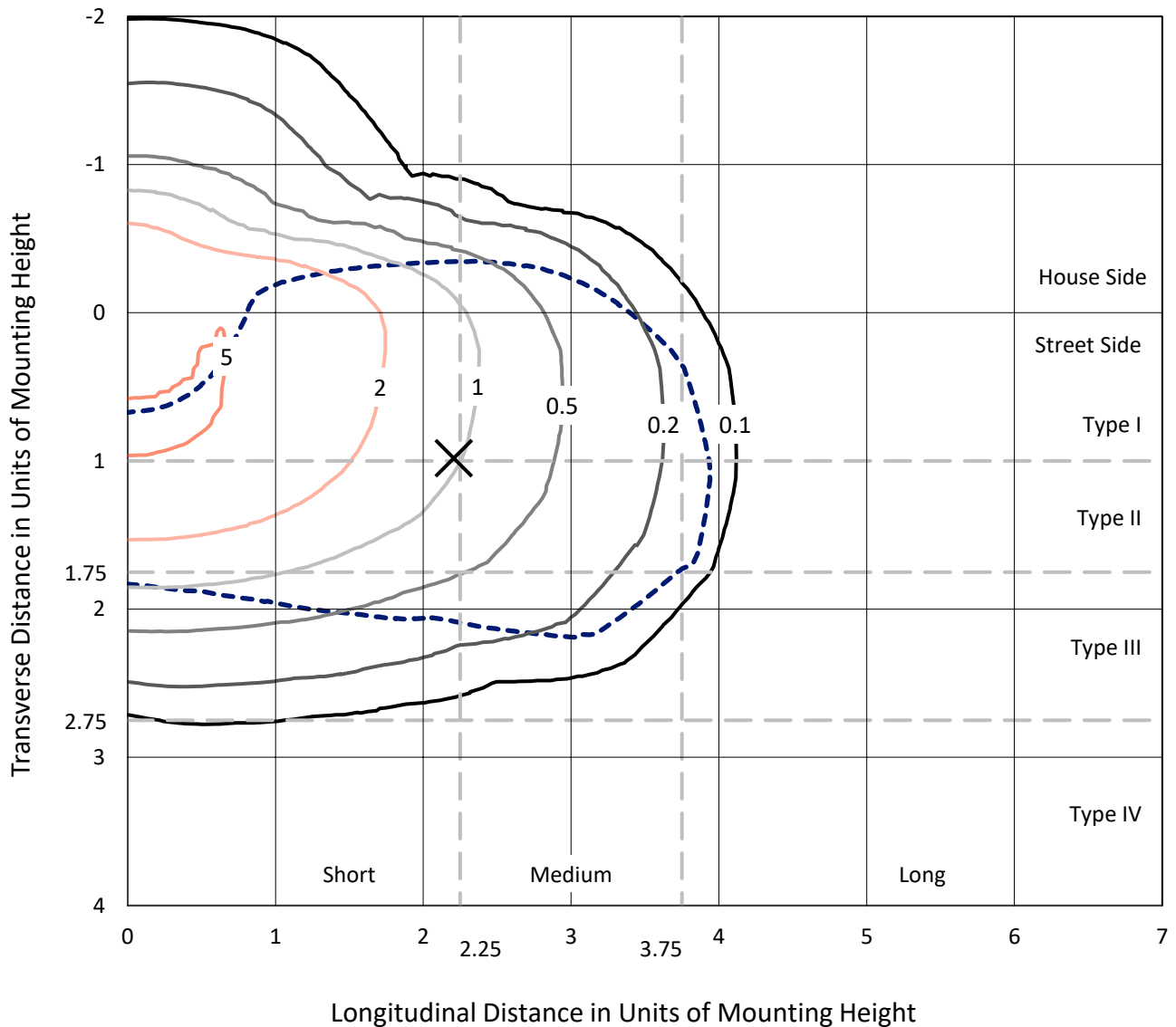
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

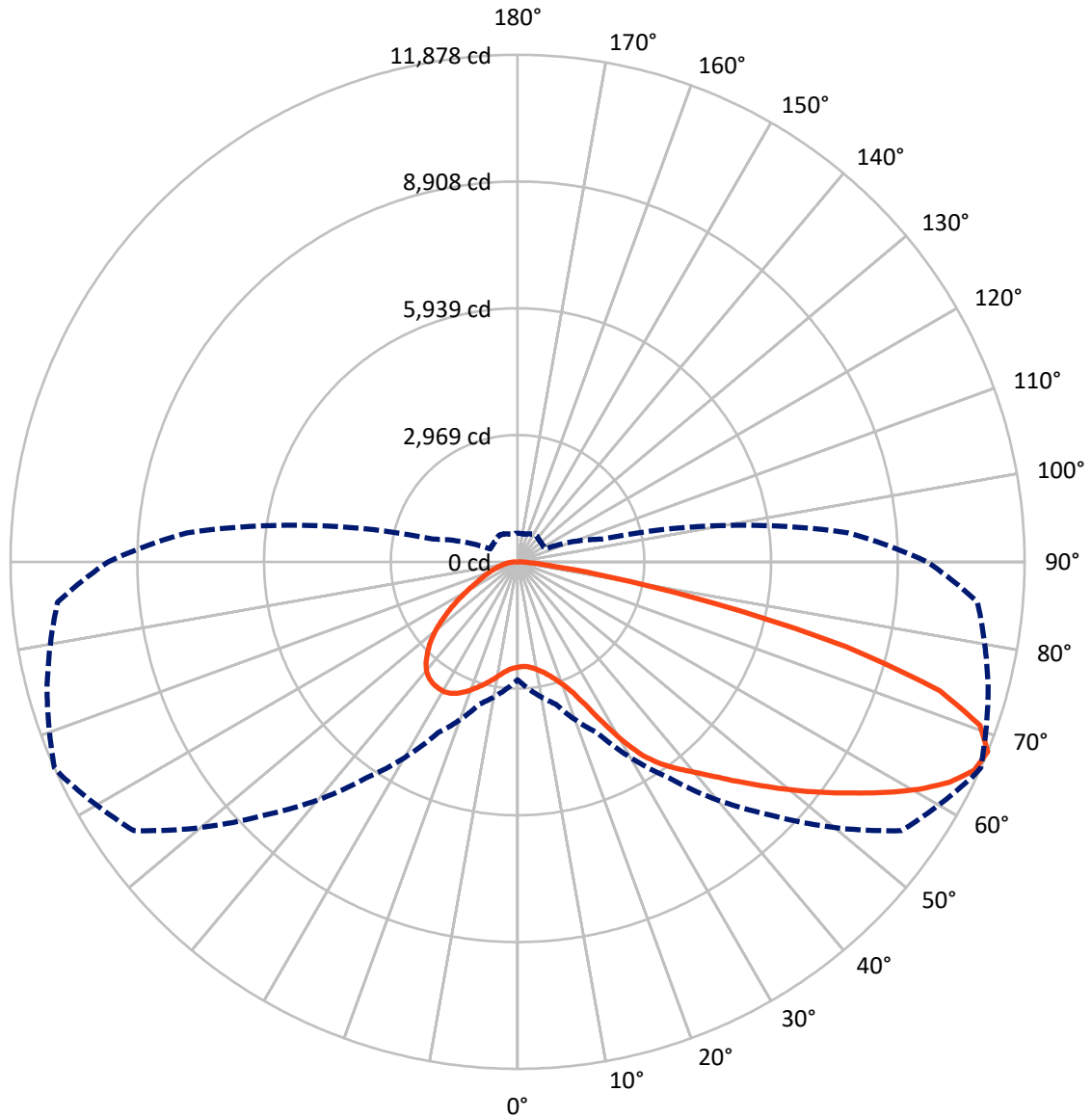
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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
House Side	Lumens	5532.6	0.0	5532.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16718.4	0.0	16718.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	22251.0	0.0	22251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	1.1
10°-20°	808.4	3.6
20°-30°	1558.2	7.0
30°-40°	2732.0	12.3
40°-50°	4061.6	18.3
50°-60°	5148.5	23.1
60°-70°	5037.7	22.6
70°-80°	2403.0	10.8
80°-90°	256.8	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°	22251.0	100.0
0°-180°	22251.0	100.0

Coefficient of Utilization

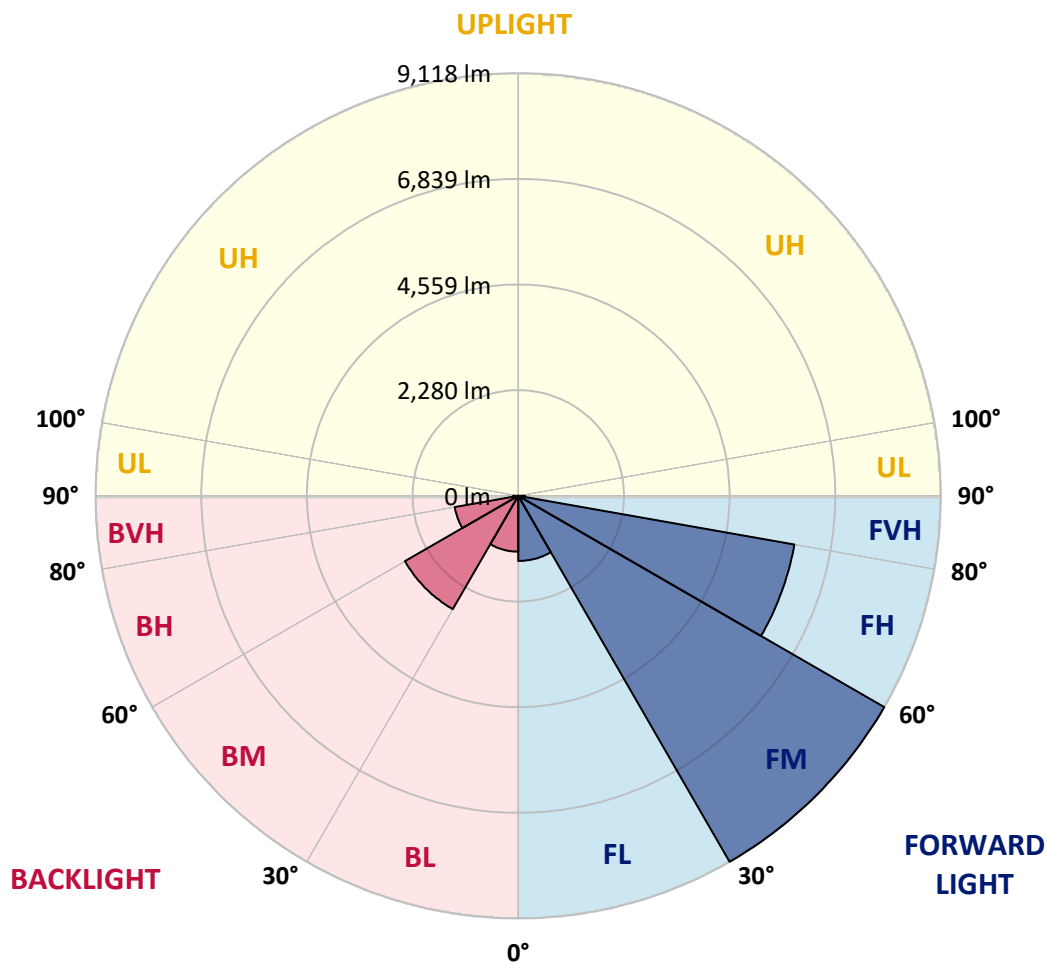


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1406.0	6.3			
FM (30°-60°)	9118.3	41.0			
FH (60°-80°)	6048.4	27.2			G3/7500
FVH (80°-90°)	145.6	0.7			G2/225
BL (0°-30°)	1205.2	5.4	B3/2500		
BM (30°-60°)	2823.9	12.7	B3/5000		
BH (60°-80°)	1392.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	111.2	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°	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9
2.5°	2442.2	2456.2	2452.7	2446.9	2445.7	2448.1	2451.6	2455.1	2453.9	2459.7
5°	2435.2	2449.2	2448.1	2448.1	2452.7	2462.1	2467.9	2473.8	2467.9	2474.9
7.5°	2439.9	2450.4	2455.1	2459.7	2471.4	2489.0	2503.0	2515.9	2508.8	2517.0
10°	2499.5	2507.7	2512.4	2512.4	2520.5	2540.4	2554.4	2577.8	2572.0	2584.8
12.5°	2608.2	2616.4	2616.4	2611.7	2617.6	2630.4	2635.1	2660.8	2650.3	2671.4
15°	2741.5	2757.9	2745.0	2736.8	2739.2	2752.0	2750.8	2770.7	2760.2	2777.7
17.5°	2888.8	2909.8	2888.8	2887.6	2883.0	2897.0	2898.2	2915.7	2897.0	2909.8
20°	3063.0	3092.2	3074.7	3080.5	3070.0	3075.9	3081.7	3107.4	3078.2	3087.5
22.5°	3308.5	3343.6	3324.9	3347.1	3340.1	3335.4	3334.2	3379.8	3334.2	3337.7
25°	3666.2	3708.3	3675.6	3706.0	3706.0	3721.2	3738.7	3797.2	3721.2	3699.0
27.5°	4194.7	4236.7	4172.5	4191.2	4185.3	4222.7	4204.0	4349.0	4267.1	4230.9
30°	4830.6	4905.5	4783.9	4779.2	4773.4	4833.0	4859.9	4955.7	4872.7	4836.5
32.5°	5518.1	5596.4	5451.4	5409.3	5387.1	5423.4	5401.2	5478.3	5421.0	5364.9
35°	6245.2	6322.4	6184.4	6102.6	6013.8	5937.8	5858.3	5878.1	5824.4	5739.0
37.5°	6932.7	7074.1	6928.0	6840.3	6676.6	6528.1	6306.0	6213.7	6163.4	6085.1
40°	7632.9	7713.6	7602.5	7527.7	7350.0	7117.4	6762.0	6566.7	6498.9	6422.9
42.5°	8148.5	8225.7	8166.0	8114.6	7975.5	7705.4	7246.0	7001.6	6903.4	6818.1
45°	8557.7	8615.0	8577.5	8596.3	8536.6	8274.8	7747.5	7468.1	7366.4	7262.3
47.5°	8722.5	8783.3	8842.9	8954.0	9055.7	8862.8	8286.4	7973.1	7865.6	7759.2
50°	8703.8	8765.8	8938.8	9174.9	9490.6	9426.3	8854.6	8510.9	8411.5	8290.0
52.5°	8554.2	8624.3	8846.4	9239.2	9742.0	9848.3	9433.3	9066.2	8972.7	8827.7
55°	8161.4	8203.4	8536.6	9093.1	9801.6	10142.9	10000.3	9657.8	9564.3	9362.0
57.5°	7433.0	7493.8	7979.0	8699.1	9651.9	10342.9	10498.3	10279.7	10189.7	9898.6
60°	6482.6	6579.6	7134.9	8037.4	9270.8	10341.7	10950.8	10891.2	10816.3	10427.0
62.5°	5407.0	5519.2	6053.5	7102.2	8604.4	10048.3	11233.7	11403.2	11364.6	10914.5
65°	4152.6	4229.7	4761.7	5892.2	7567.5	9418.1	11266.4	11752.8	11759.8	11285.1
67.5°	2764.9	2987.0	3448.8	4421.5	6178.6	8388.2	10978.8	11810.1	11877.9	11412.6
70°	1349.1	1641.4	2093.8	2873.6	4421.5	6808.7	10227.1	11340.1	11490.9	11040.8
72.5°	560.0	654.7	901.4	1418.1	2538.1	4594.5	8716.7	10065.8	10345.2	9782.9
75°	377.6	409.2	515.6	727.2	1156.2	2265.7	6286.1	7505.5	7955.6	7388.6
77.5°	291.1	311.0	375.3	508.6	687.4	856.9	3364.6	4523.2	4755.8	4402.8
80°	229.1	244.3	280.6	370.6	487.5	458.3	1146.9	2049.4	2183.8	1831.9
82.5°	198.7	204.6	201.1	251.4	323.8	267.7	376.4	756.4	834.7	605.6
85°	143.8	160.2	167.2	155.5	171.9	135.6	154.3	267.7	294.6	263.0
87.5°	58.5	86.5	106.4	100.5	63.1	38.6	47.9	78.3	90.0	98.2
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°
2467.9	0°	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9	2467.9
2469.1	2.5°	2470.3	2478.5	2484.3	2491.3	2496.0	2503.0	2517.0	2525.2	2526.4	2532.2
2487.8	5°	2492.5	2504.2	2517.0	2535.7	2556.8	2574.3	2601.2	2619.9	2626.9	2632.8
2533.4	7.5°	2540.4	2556.8	2580.2	2612.9	2643.3	2666.7	2699.4	2721.6	2743.8	2752.0
2605.9	10°	2611.7	2635.1	2669.0	2713.4	2746.2	2776.6	2810.5	2829.2	2851.4	2860.7
2692.4	12.5°	2700.6	2725.1	2769.6	2831.5	2861.9	2883.0	2894.6	2890.0	2894.6	2902.8
2796.4	15°	2802.3	2829.2	2879.4	2946.1	2967.1	2948.4	2922.7	2899.3	2895.8	2898.2
2922.7	17.5°	2922.7	2942.6	3001.0	3057.1	3041.9	2964.8	2908.7	2871.3	2852.6	2846.7
3084.0	20°	3091.1	3091.1	3139.0	3174.1	3072.3	2941.4	2853.7	2792.9	2754.4	2738.0
3303.8	22.5°	3295.6	3276.9	3307.3	3282.8	3066.5	2875.9	2754.4	2649.1	2590.7	2567.3
3611.3	25°	3555.2	3533.0	3524.8	3372.8	3024.4	2771.9	2574.3	2446.9	2395.4	2382.6
4054.4	27.5°	3946.8	3890.7	3784.3	3421.9	2947.3	2608.2	2363.9	2245.8	2216.6	2217.7
4623.7	30°	4468.2	4356.0	4095.3	3430.1	2821.0	2376.7	2148.8	2064.6	2050.6	2056.4
5101.9	32.5°	4951.1	4844.7	4413.3	3392.7	2626.9	2149.9	1955.9	1899.8	1878.7	1885.7
5466.6	35°	5329.8	5300.6	4707.9	3340.1	2388.4	1937.2	1782.8	1734.9	1694.0	1684.6
5810.3	37.5°	5687.6	5675.9	4928.8	3266.4	2152.3	1786.4	1643.7	1580.6	1521.0	1488.2
6190.3	40°	6080.4	6068.7	5073.8	3153.0	1943.0	1655.4	1518.6	1435.6	1362.0	1302.4
6620.5	42.5°	6522.3	6453.3	5142.8	2990.5	1765.3	1544.4	1416.9	1304.7	1207.7	1152.7
7106.8	45°	7005.1	6849.6	5141.6	2783.6	1615.7	1442.6	1308.2	1149.2	1059.2	1007.7
7606.0	47.5°	7517.2	7228.4	5078.5	2554.4	1470.7	1330.4	1139.9	1018.3	958.6	927.1
8148.5	50°	8045.6	7582.7	4970.9	2291.4	1322.2	1203.0	1034.6	951.6	906.0	876.8
8686.3	52.5°	8542.5	7904.2	4841.2	1993.3	1171.4	1079.1	987.9	923.6	875.6	842.9
9207.7	55°	9004.3	8181.2	4657.6	1688.2	1048.7	996.1	965.7	911.9	856.9	818.4
9737.3	57.5°	9414.6	8361.3	4340.8	1401.7	961.0	938.8	942.3	892.0	828.9	796.1
10258.7	60°	9756.0	8493.4	3872.0	1136.3	889.7	882.7	906.0	854.6	780.9	743.5
10699.4	62.5°	9960.6	8491.0	3296.8	930.6	828.9	831.2	858.1	807.8	733.0	697.9
10929.7	65°	9943.0	8282.9	2665.5	796.1	770.4	772.8	807.8	756.4	693.3	672.2
10814.0	67.5°	9591.1	7775.6	2044.7	708.5	706.1	716.6	757.6	721.3	668.7	666.4
10124.2	70°	8638.3	6722.2	1473.0	638.3	639.5	654.7	708.5	699.1	655.9	660.5
8512.1	72.5°	6926.8	5125.3	989.0	564.7	565.8	590.4	661.7	681.6	643.0	705.0
6039.5	75°	4613.2	3196.3	636.0	486.3	487.5	519.1	620.8	647.7	607.9	702.6
3142.5	77.5°	2216.6	1436.8	460.6	409.2	409.2	438.4	536.6	579.9	517.9	546.0
1010.1	80°	765.7	540.1	362.4	329.7	322.7	342.5	452.4	502.7	446.6	411.5
329.7	82.5°	301.6	280.6	291.1	256.0	232.6	245.5	351.9	415.0	328.5	296.9
185.9	85°	173.0	182.4	205.8	169.5	134.4	150.8	258.4	298.1	247.8	218.6
60.8	87.5°	46.8	64.3	94.7	87.7	60.8	64.3	122.8	164.8	142.6	109.9
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°
2467.9
2531.1
2631.6
2753.2
2865.4
2905.2
2906.3
2854.9
2734.5
2563.8
2384.9
2221.3
2076.3
1895.1
1691.7
1489.4
1308.2
1156.2
1005.4
920.1
866.3
828.9
803.2
775.1
727.2
687.4
671.1
669.9
659.4
714.3
708.5
500.4
385.8
295.8
223.3
113.4
0.0

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