

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: P847918

Luminaire Tested: **GLAN-SB4B-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847918
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-SB4B-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20083 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

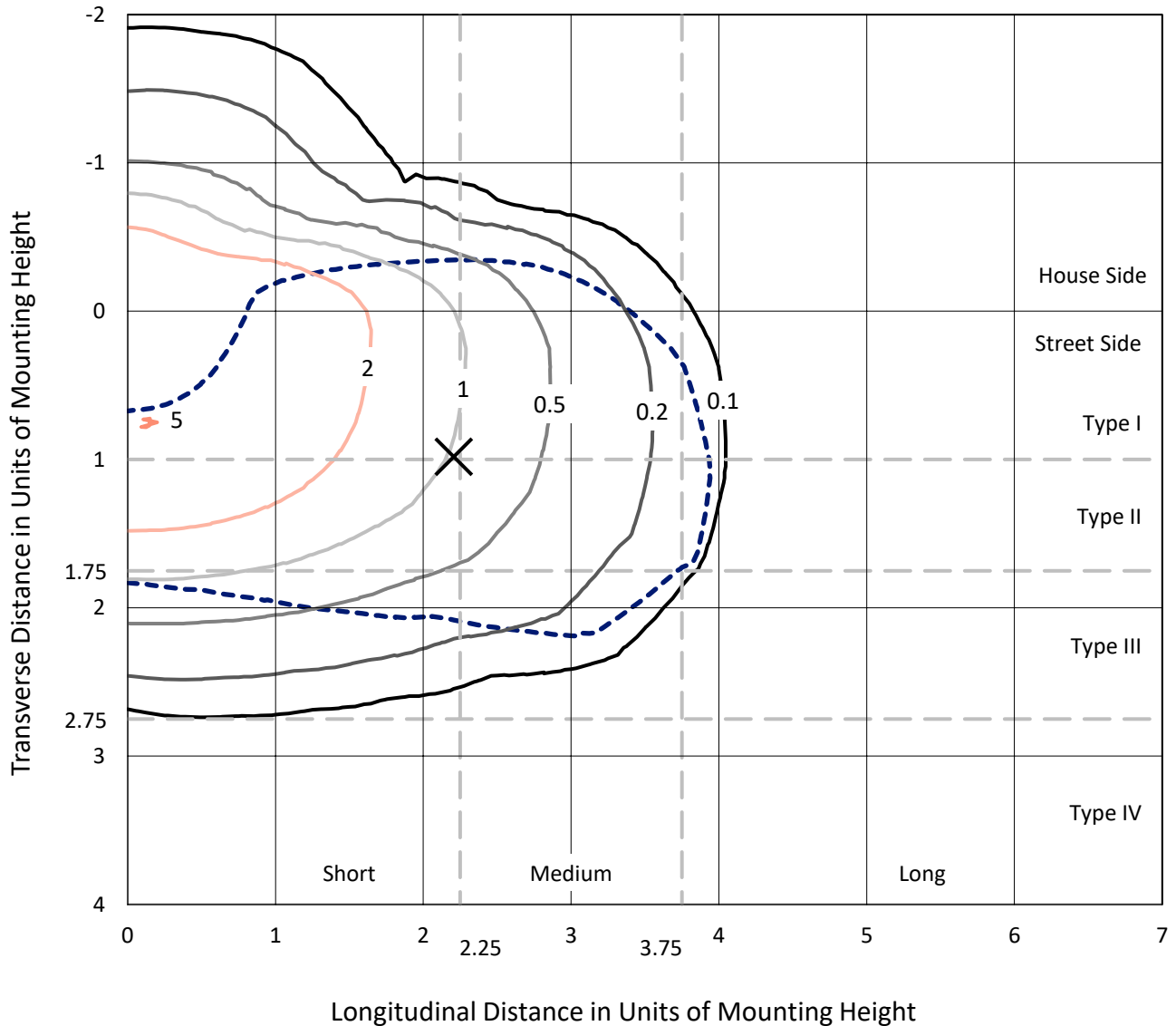
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

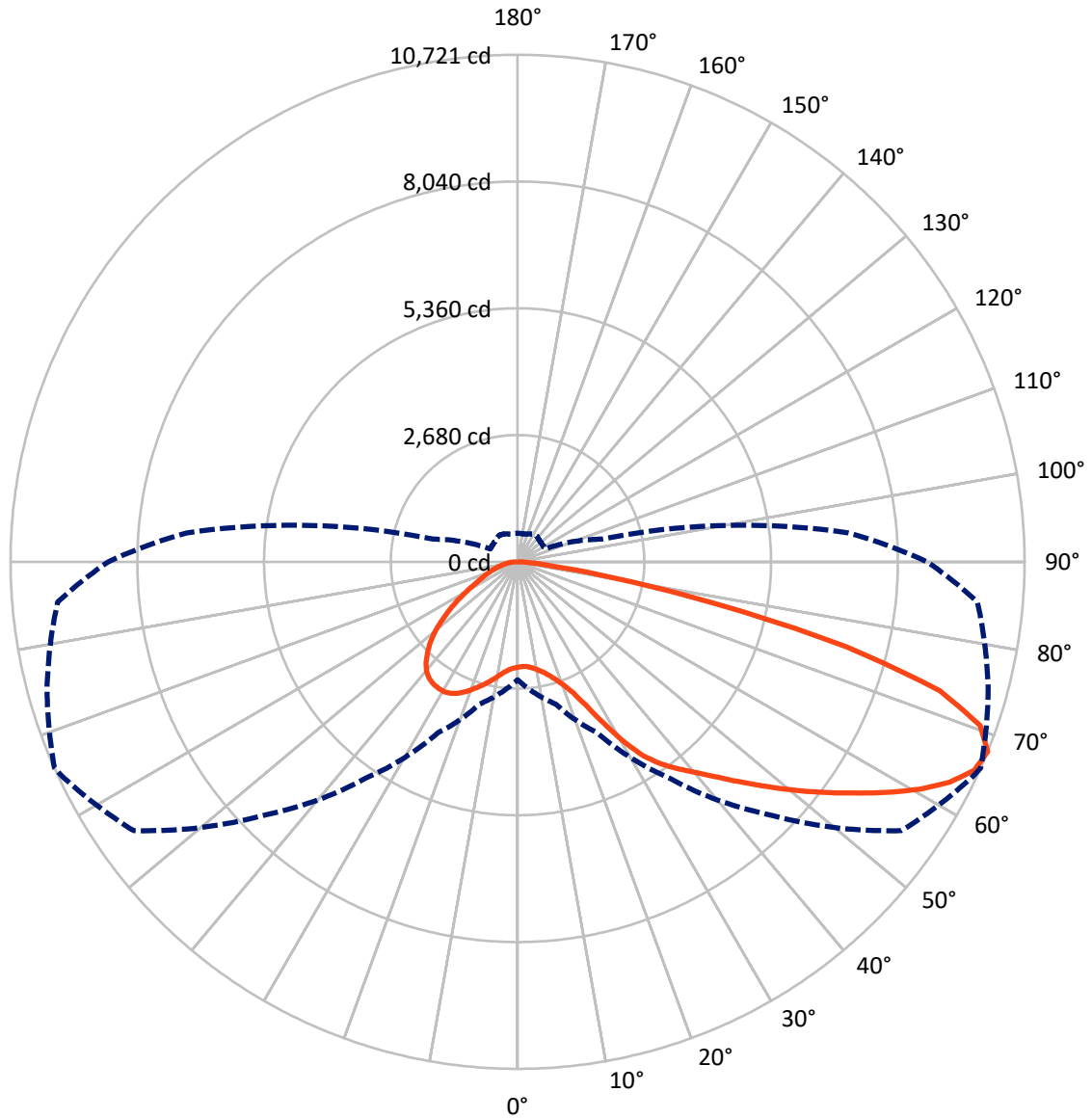
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type 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	4993.6	0.0	4993.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15089.4	0.0	15089.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	20083.0	0.0	20083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	1.1
10°-20°	729.6	3.6
20°-30°	1406.3	7.0
30°-40°	2465.8	12.3
40°-50°	3665.9	18.3
50°-60°	4646.9	23.1
60°-70°	4546.9	22.6
70°-80°	2168.9	10.8
80°-90°	231.8	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°	20083.0	100.0
0°-180°	20083.0	100.0

Coefficient of Utilization



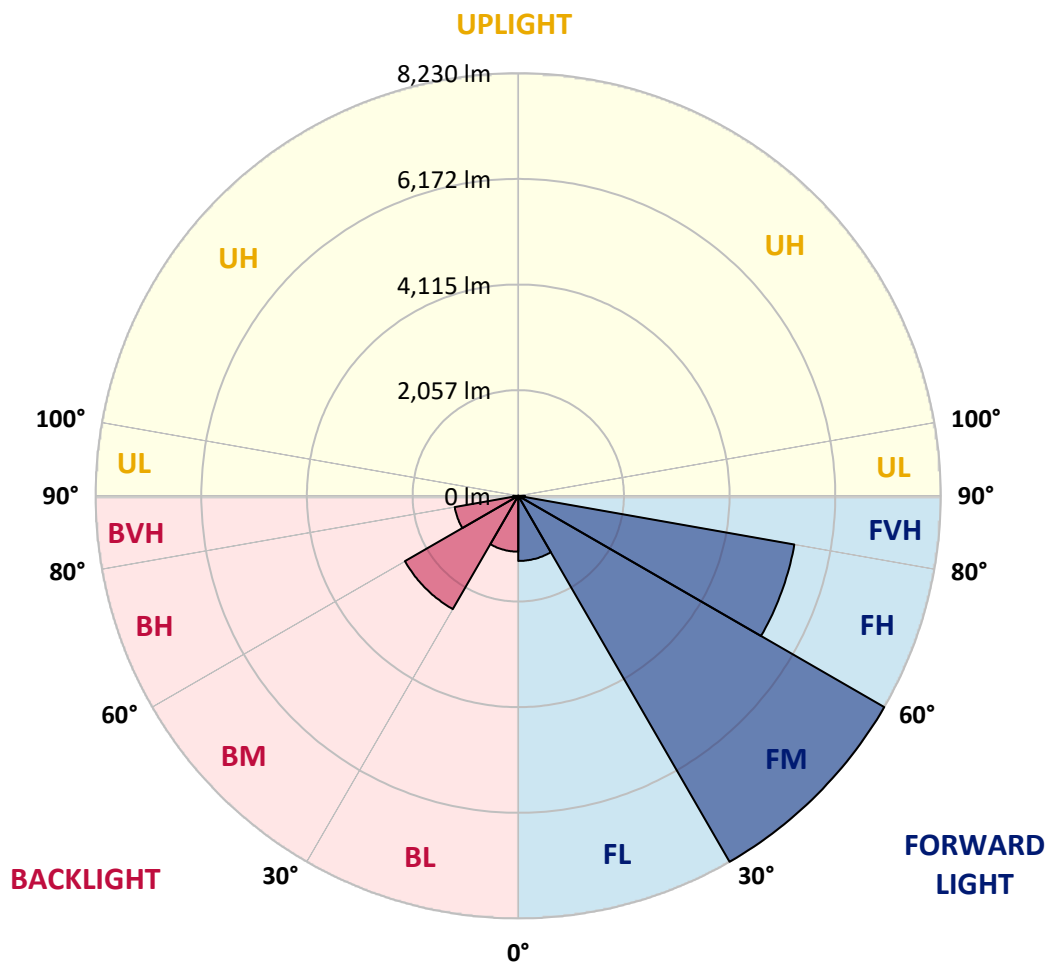
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.0	6.3			
FM (30°-60°)	8229.8	41.0			
FH (60°-80°)	5459.1	27.2			G3/7500
FVH (80°-90°)	131.4	0.7			G2/225
BL (0°-30°)	1087.8	5.4	B3/2500		
BM (30°-60°)	2548.8	12.7	B3/5000		
BH (60°-80°)	1256.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	100.4	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°	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5
2.5°	2204.3	2216.9	2213.8	2208.5	2207.4	2209.5	2212.7	2215.9	2214.8	2220.1
5°	2197.9	2210.6	2209.5	2209.5	2213.8	2222.2	2227.5	2232.7	2227.5	2233.8
7.5°	2202.1	2211.6	2215.9	2220.1	2230.6	2246.5	2259.1	2270.7	2264.4	2271.8
10°	2256.0	2263.3	2267.6	2267.6	2275.0	2292.9	2305.6	2326.7	2321.4	2333.0
12.5°	2354.1	2361.5	2361.5	2357.3	2362.5	2374.1	2378.4	2401.6	2392.1	2411.1
15°	2474.4	2489.2	2477.5	2470.2	2472.3	2483.9	2482.8	2500.8	2491.3	2507.1
17.5°	2607.3	2626.3	2607.3	2606.3	2602.1	2614.7	2615.8	2631.6	2614.7	2626.3
20°	2764.6	2790.9	2775.1	2780.4	2770.9	2776.2	2781.4	2804.6	2778.3	2786.7
22.5°	2986.1	3017.8	3000.9	3021.0	3014.6	3010.4	3009.4	3050.5	3009.4	3012.5
25°	3309.0	3347.0	3317.5	3344.9	3344.9	3358.6	3374.4	3427.2	3358.6	3338.6
27.5°	3786.0	3823.9	3765.9	3782.8	3777.5	3811.3	3794.4	3925.2	3851.4	3818.7
30°	4360.0	4427.5	4317.8	4313.5	4308.3	4362.1	4386.4	4472.9	4398.0	4365.3
32.5°	4980.4	5051.1	4920.3	4882.3	4862.2	4894.9	4874.9	4944.5	4892.8	4842.2
35°	5636.7	5706.4	5581.9	5508.0	5427.8	5359.2	5287.5	5305.4	5256.9	5179.8
37.5°	6257.2	6384.9	6253.0	6173.8	6026.1	5892.1	5691.6	5608.2	5562.9	5492.2
40°	6889.2	6962.0	6861.8	6794.3	6633.9	6423.9	6103.1	5926.9	5865.7	5797.1
42.5°	7354.6	7424.2	7370.4	7324.0	7198.4	6954.6	6540.0	6319.4	6230.8	6153.8
45°	7723.9	7775.6	7741.8	7758.7	7704.9	7468.5	6992.6	6740.4	6648.6	6554.7
47.5°	7872.6	7927.5	7981.3	8081.6	8173.4	7999.3	7479.1	7196.3	7099.2	7003.2
50°	7855.8	7911.7	8067.9	8281.0	8565.9	8507.9	7991.9	7681.7	7592.0	7482.2
52.5°	7720.7	7784.0	7984.5	8339.0	8792.8	8888.8	8514.2	8182.9	8098.5	7967.6
55°	7366.2	7404.1	7704.9	8207.1	8846.6	9154.7	9025.9	8716.8	8632.4	8449.8
57.5°	6708.8	6763.7	7201.6	7851.5	8711.5	9335.1	9475.5	9278.1	9196.9	8934.1
60°	5850.9	5938.5	6439.7	7254.3	8367.5	9334.1	9883.8	9830.0	9762.5	9411.1
62.5°	4880.2	4981.5	5463.7	6410.2	7766.1	9069.2	10139.2	10292.2	10257.3	9851.1
65°	3748.0	3817.6	4297.7	5318.1	6830.1	8500.5	10168.7	10607.7	10614.0	10185.6
67.5°	2495.5	2696.0	3112.8	3990.7	5576.6	7570.9	9909.1	10659.4	10720.6	10300.6
70°	1217.7	1481.5	1889.8	2593.6	3990.7	6145.3	9230.7	10235.2	10371.3	9965.1
72.5°	505.4	590.9	813.5	1279.9	2290.8	4146.8	7867.4	9085.0	9337.2	8829.7
75°	340.8	369.3	465.3	656.3	1043.6	2044.9	5673.7	6774.2	7180.5	6668.7
77.5°	262.7	280.7	338.7	459.0	620.4	773.4	3036.8	4082.5	4292.4	3973.8
80°	206.8	220.5	253.2	334.5	440.0	413.6	1035.1	1849.7	1971.1	1653.5
82.5°	179.4	184.7	181.5	226.9	292.3	241.6	339.8	682.7	753.4	546.6
85°	129.8	144.6	150.9	140.3	155.1	122.4	139.3	241.6	265.9	237.4
87.5°	52.8	78.1	96.0	90.7	57.0	34.8	43.3	70.7	81.2	88.6
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°
2227.5	0°	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5	2227.5
2228.5	2.5°	2229.6	2237.0	2242.2	2248.6	2252.8	2259.1	2271.8	2279.2	2280.2	2285.5
2245.4	5°	2249.6	2260.2	2271.8	2288.7	2307.7	2323.5	2347.8	2364.6	2371.0	2376.2
2286.6	7.5°	2292.9	2307.7	2328.8	2358.3	2385.7	2406.8	2436.4	2456.4	2476.5	2483.9
2352.0	10°	2357.3	2378.4	2409.0	2449.1	2478.6	2506.0	2536.6	2553.5	2573.6	2582.0
2430.1	12.5°	2437.4	2459.6	2499.7	2555.6	2583.1	2602.1	2612.6	2608.4	2612.6	2620.0
2524.0	15°	2529.2	2553.5	2598.9	2659.0	2678.0	2661.1	2637.9	2616.8	2613.7	2615.8
2637.9	17.5°	2637.9	2655.9	2708.6	2759.3	2745.6	2675.9	2625.3	2591.5	2574.6	2569.3
2783.5	20°	2789.9	2789.9	2833.1	2864.8	2773.0	2654.8	2575.7	2520.8	2486.0	2471.2
2981.9	22.5°	2974.5	2957.6	2985.1	2962.9	2767.7	2595.7	2486.0	2391.0	2338.3	2317.2
3259.4	25°	3208.8	3188.7	3181.3	3044.2	2729.7	2501.8	2323.5	2208.5	2162.0	2150.4
3659.3	27.5°	3562.3	3511.6	3415.6	3088.5	2660.1	2354.1	2133.6	2027.0	2000.6	2001.7
4173.2	30°	4032.9	3931.6	3696.3	3095.9	2546.1	2145.2	1939.4	1863.4	1850.8	1856.0
4604.8	32.5°	4468.7	4372.6	3983.3	3062.1	2371.0	1940.5	1765.3	1714.7	1695.7	1702.0
4934.0	35°	4810.5	4784.2	4249.2	3014.6	2155.7	1748.4	1609.1	1565.9	1528.9	1520.5
5244.2	37.5°	5133.4	5122.9	4448.6	2948.2	1942.6	1612.3	1483.6	1426.6	1372.8	1343.2
5587.1	40°	5488.0	5477.4	4579.5	2845.8	1753.7	1494.1	1370.7	1295.8	1229.3	1175.5
5975.4	42.5°	5886.8	5824.6	4641.7	2699.1	1593.3	1393.9	1278.9	1177.6	1090.0	1040.4
6414.4	45°	6322.6	6182.3	4640.7	2512.4	1458.2	1302.1	1180.7	1037.2	956.0	909.6
6865.0	47.5°	6784.8	6524.1	4583.7	2305.6	1327.4	1200.8	1028.8	919.1	865.2	836.8
7354.6	50°	7261.7	6843.9	4486.6	2068.1	1193.4	1085.8	933.8	858.9	817.8	791.4
7839.9	52.5°	7710.1	7134.0	4369.5	1799.1	1057.3	973.9	891.6	833.6	790.3	760.8
8310.5	55°	8126.9	7384.1	4203.8	1523.7	946.5	899.0	871.6	823.0	773.4	738.6
8788.5	57.5°	8497.3	7546.6	3917.9	1265.2	867.4	847.3	850.5	805.1	748.1	718.6
9259.1	60°	8805.4	7665.8	3494.7	1025.6	803.0	796.7	817.8	771.3	704.9	671.1
9656.9	62.5°	8990.1	7663.7	2975.6	839.9	748.1	750.2	774.5	729.1	661.6	629.9
9864.8	65°	8974.2	7475.9	2405.8	718.6	695.4	697.5	729.1	682.7	625.7	606.7
9760.3	67.5°	8656.6	7018.0	1845.5	639.4	637.3	646.8	683.8	651.0	603.6	601.4
9137.8	70°	7796.7	6067.2	1329.5	576.1	577.2	590.9	639.4	631.0	592.0	596.2
7682.7	72.5°	6251.9	4625.9	892.7	509.6	510.7	532.9	597.2	615.2	580.3	636.3
5451.0	75°	4163.7	2884.8	574.0	439.0	440.0	468.5	560.3	584.6	548.7	634.2
2836.3	77.5°	2000.6	1296.8	415.7	369.3	369.3	395.7	484.3	523.4	467.4	492.8
911.7	80°	691.1	487.5	327.1	297.6	291.2	309.2	408.4	453.7	403.1	371.4
297.6	82.5°	272.2	253.2	262.7	231.1	210.0	221.6	317.6	374.6	296.5	268.0
167.8	85°	156.2	164.6	185.7	153.0	121.3	136.1	233.2	269.1	223.7	197.3
54.9	87.5°	42.2	58.0	85.5	79.1	54.9	58.0	110.8	148.8	128.7	99.2
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°
2227.5
2284.4
2375.2
2484.9
2586.2
2622.1
2623.2
2576.7
2468.0
2314.0
2152.6
2004.8
1874.0
1710.4
1526.8
1344.3
1180.7
1043.6
907.4
830.4
781.9
748.1
724.9
699.6
656.3
620.4
605.7
604.6
595.1
644.7
639.4
451.6
348.2
267.0
201.5
102.4
0.0

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