

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: P847408

Luminaire Tested: **GLAN-SB3C-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847408
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-SB3C-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19996 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

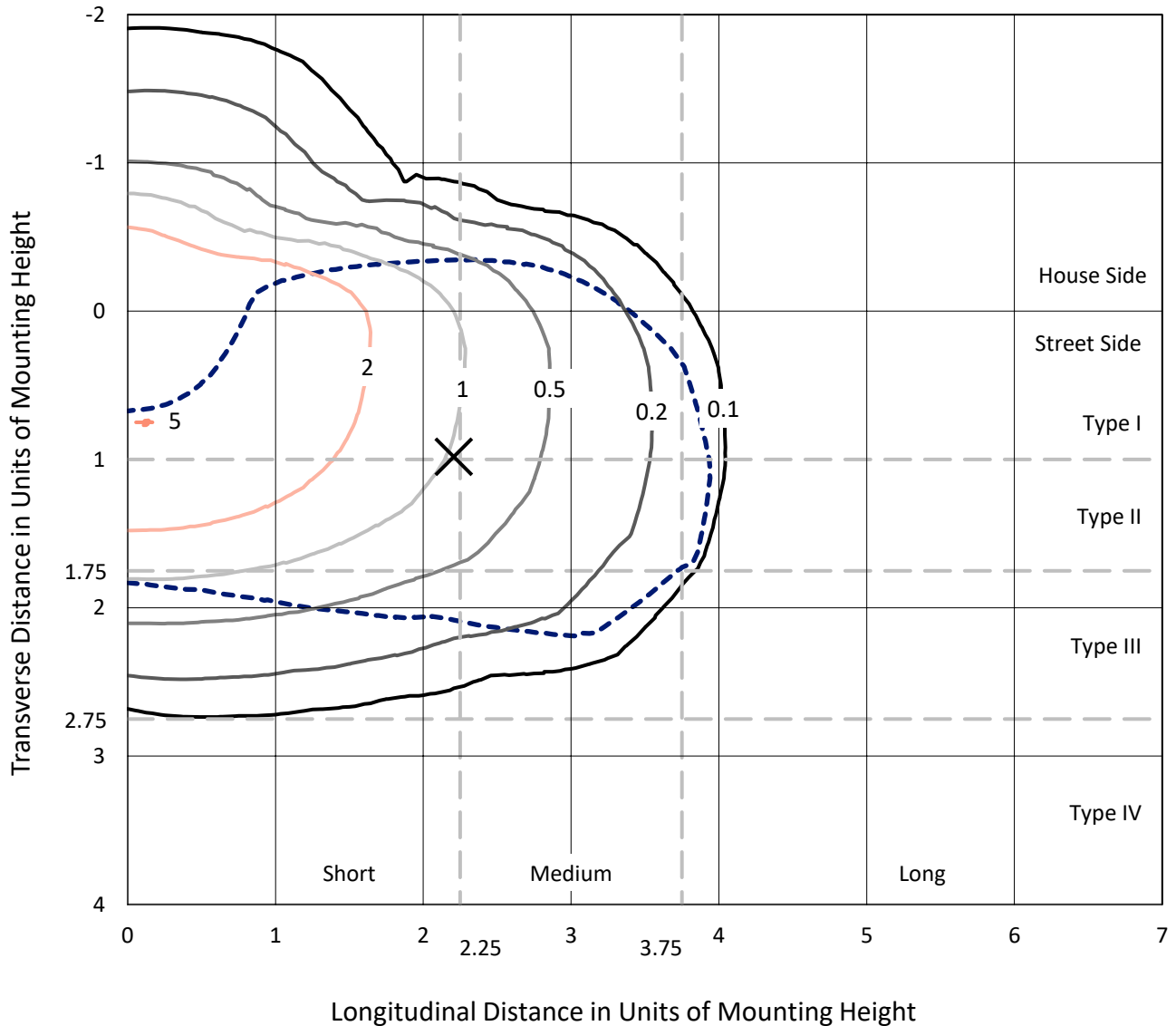
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

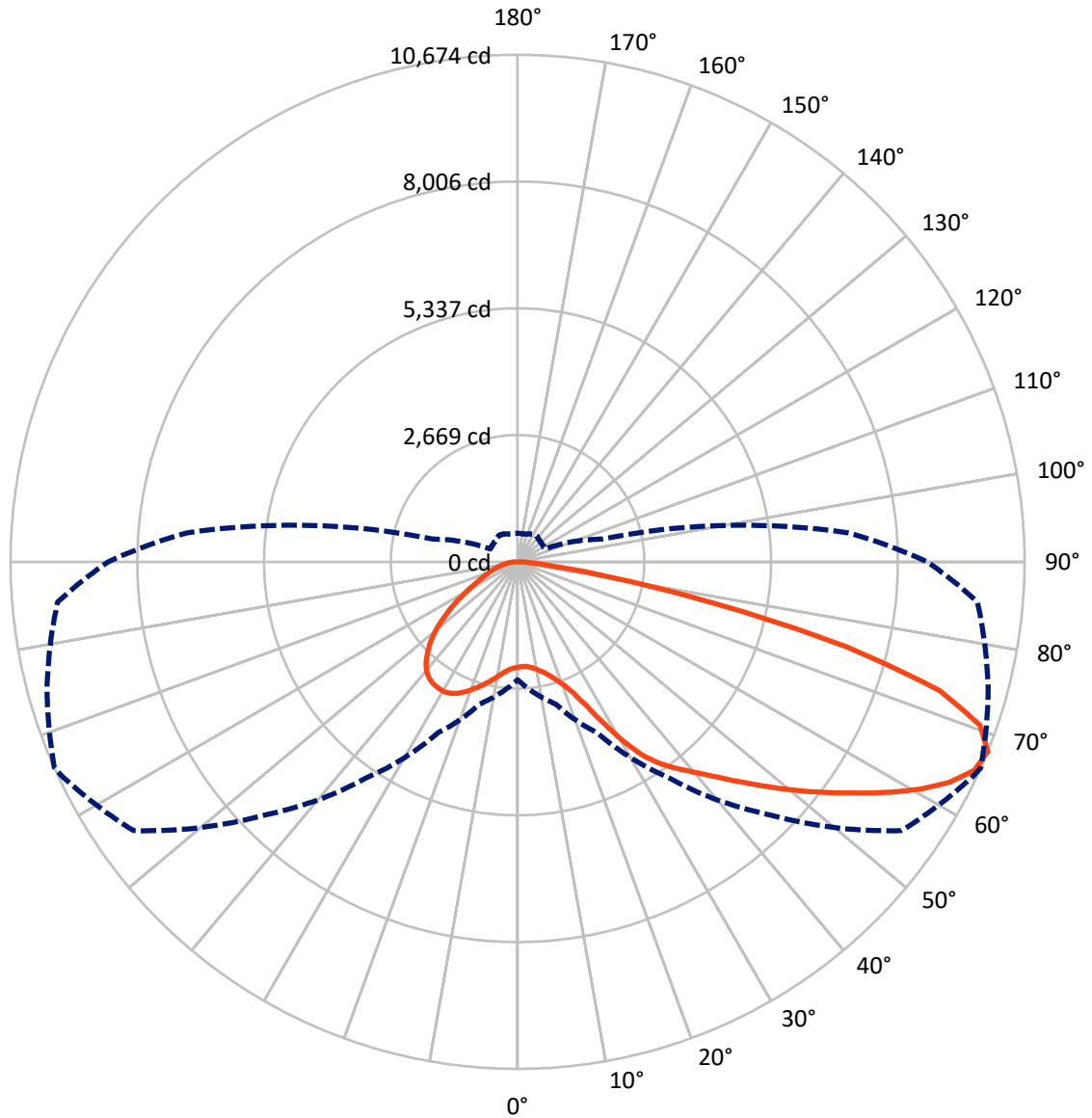
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	4971.9	0.0	4971.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15024.1	0.0	15024.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	19996.0	0.0	19996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	1.1
10°-20°	726.5	3.6
20°-30°	1400.3	7.0
30°-40°	2455.2	12.3
40°-50°	3650.0	18.3
50°-60°	4626.8	23.1
60°-70°	4527.2	22.6
70°-80°	2159.5	10.8
80°-90°	230.8	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°	19996.0	100.0
0°-180°	19996.0	100.0

Coefficient of Utilization



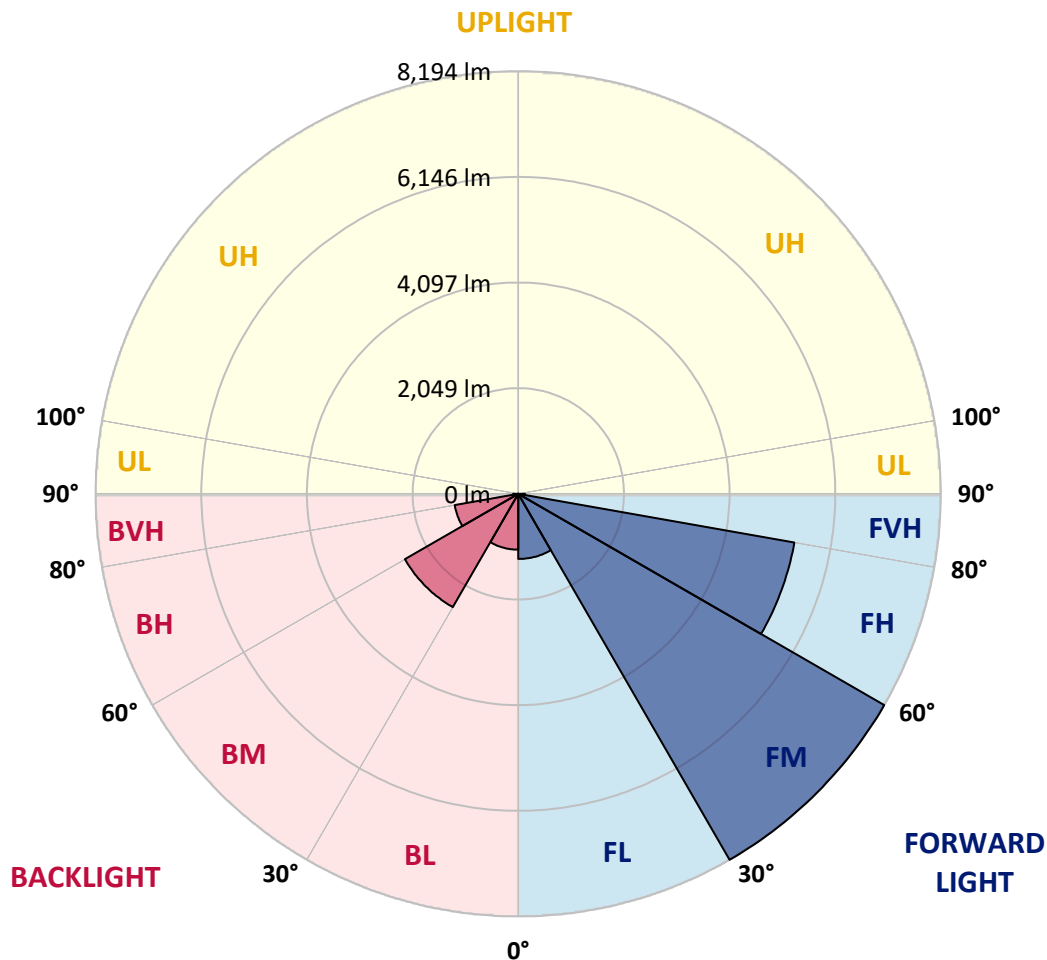
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.5	6.3			
FM (30°-60°)	8194.2	41.0			
FH (60°-80°)	5435.5	27.2			G3/7500
FVH (80°-90°)	130.8	0.7			G2/225
BL (0°-30°)	1083.1	5.4	B3/2500		
BM (30°-60°)	2537.7	12.7	B3/5000		
BH (60°-80°)	1251.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	99.9	0.5			G1/100
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°	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8
2.5°	2194.7	2207.3	2204.2	2198.9	2197.9	2200.0	2203.1	2206.3	2205.2	2210.5
5°	2188.4	2201.0	2200.0	2200.0	2204.2	2212.6	2217.8	2223.1	2217.8	2224.1
7.5°	2192.6	2202.1	2206.3	2210.5	2221.0	2236.7	2249.3	2260.9	2254.6	2261.9
10°	2246.2	2253.5	2257.7	2257.7	2265.1	2283.0	2295.6	2316.6	2311.3	2322.9
12.5°	2343.9	2351.2	2351.2	2347.0	2352.3	2363.9	2368.1	2391.2	2381.7	2400.6
15°	2463.7	2478.4	2466.8	2459.5	2461.6	2473.1	2472.1	2489.9	2480.5	2496.2
17.5°	2596.0	2614.9	2596.0	2595.0	2590.8	2603.4	2604.4	2620.2	2603.4	2614.9
20°	2752.6	2778.8	2763.1	2768.3	2758.9	2764.1	2769.4	2792.5	2766.2	2774.6
22.5°	2973.2	3004.7	2987.9	3007.9	3001.6	2997.4	2996.3	3037.3	2996.3	2999.5
25°	3294.7	3332.5	3303.1	3330.4	3330.4	3344.1	3359.8	3412.4	3344.1	3324.1
27.5°	3769.6	3807.4	3749.6	3766.4	3761.2	3794.8	3778.0	3908.2	3834.7	3802.1
30°	4341.1	4408.3	4299.1	4294.9	4289.6	4343.2	4367.4	4453.5	4378.9	4346.3
32.5°	4958.8	5029.2	4899.0	4861.1	4841.2	4873.7	4853.8	4923.1	4871.6	4821.2
35°	5612.3	5681.7	5557.7	5484.1	5404.3	5336.0	5264.6	5282.4	5234.1	5157.4
37.5°	6230.1	6357.2	6225.9	6147.1	6000.0	5866.6	5666.9	5583.9	5538.8	5468.4
40°	6859.4	6931.9	6832.1	6764.8	6605.1	6396.1	6076.7	5901.2	5840.3	5772.0
42.5°	7322.7	7392.0	7338.5	7292.2	7167.2	6924.5	6511.6	6292.1	6203.8	6127.1
45°	7690.4	7741.9	7708.3	7725.1	7671.5	7436.2	6962.3	6711.2	6619.8	6526.3
47.5°	7838.5	7893.2	7946.8	8046.6	8138.0	7964.6	7446.7	7165.1	7068.4	6972.8
50°	7821.7	7877.4	8032.9	8245.1	8528.8	8471.0	7957.3	7648.4	7559.1	7449.8
52.5°	7687.3	7750.3	7949.9	8302.9	8754.7	8850.3	8477.3	8147.4	8063.4	7933.1
55°	7334.3	7372.1	7671.5	8171.6	8808.2	9115.0	8986.8	8679.0	8595.0	8413.2
57.5°	6679.7	6734.4	7170.4	7817.5	8673.8	9294.7	9434.4	9237.9	9157.0	8895.4
60°	5825.6	5912.8	6411.8	7222.9	8331.3	9293.6	9841.0	9787.4	9720.2	9370.3
62.5°	4859.0	4959.9	5440.0	6382.4	7732.4	9029.9	10095.2	10247.6	10212.9	9808.4
65°	3731.7	3801.1	4279.1	5295.0	6800.5	8463.6	10124.7	10561.7	10568.0	10141.5
67.5°	2484.7	2684.3	3099.3	3973.4	5552.4	7538.1	9866.2	10613.2	10674.1	10256.0
70°	1212.4	1475.0	1881.6	2582.4	3973.4	6118.7	9190.7	10190.8	10326.4	9921.9
72.5°	503.2	588.3	810.0	1274.4	2280.9	4128.9	7833.3	9045.7	9296.8	8791.4
75°	339.3	367.7	463.3	653.5	1039.0	2036.1	5649.1	6744.9	7149.3	6639.8
77.5°	261.6	279.5	337.2	457.0	617.8	770.1	3023.6	4064.8	4273.8	3956.6
80°	205.9	219.6	252.1	333.0	438.1	411.8	1030.6	1841.7	1962.5	1646.3
82.5°	178.6	183.9	180.7	225.9	291.0	240.6	338.3	679.7	750.1	544.2
85°	129.2	143.9	150.2	139.7	154.4	121.9	138.7	240.6	264.8	236.4
87.5°	52.5	77.7	95.6	90.4	56.7	34.7	43.1	70.4	80.9	88.3
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°
2217.8	0°	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8	2217.8
2218.9	2.5°	2219.9	2227.3	2232.5	2238.8	2243.0	2249.3	2261.9	2269.3	2270.4	2275.6
2235.7	5°	2239.9	2250.4	2261.9	2278.8	2297.7	2313.4	2337.6	2354.4	2360.7	2366.0
2276.7	7.5°	2283.0	2297.7	2318.7	2348.1	2375.4	2396.4	2425.8	2445.8	2465.8	2473.1
2341.8	10°	2347.0	2368.1	2398.5	2438.4	2467.9	2495.2	2525.6	2542.5	2562.4	2570.8
2419.5	12.5°	2426.9	2449.0	2488.9	2544.6	2571.9	2590.8	2601.3	2597.1	2601.3	2608.6
2513.0	15°	2518.3	2542.5	2587.6	2647.5	2666.4	2649.6	2626.5	2605.5	2602.3	2604.4
2626.5	17.5°	2626.5	2644.4	2696.9	2747.3	2733.7	2664.3	2613.9	2580.3	2563.5	2558.2
2771.5	20°	2777.8	2777.8	2820.9	2852.4	2761.0	2643.3	2564.5	2509.9	2475.2	2460.5
2969.0	22.5°	2961.6	2944.8	2972.2	2950.1	2755.7	2584.5	2475.2	2380.7	2328.1	2307.1
3245.3	25°	3194.9	3174.9	3167.6	3031.0	2717.9	2491.0	2313.4	2198.9	2152.7	2141.1
3643.5	27.5°	3546.8	3496.4	3400.8	3075.1	2648.6	2343.9	2124.3	2018.2	1991.9	1993.0
4155.1	30°	4015.4	3914.5	3680.3	3082.5	2535.1	2135.9	1931.0	1855.4	1842.8	1848.0
4584.8	32.5°	4449.3	4353.7	3966.0	3048.8	2360.7	1932.1	1757.7	1707.2	1688.3	1694.6
4912.6	35°	4789.7	4763.4	4230.8	3001.6	2146.4	1740.8	1602.2	1559.1	1522.3	1513.9
5221.5	37.5°	5111.2	5100.7	4429.3	2935.4	1934.2	1605.3	1477.1	1420.4	1366.8	1337.4
5562.9	40°	5464.2	5453.7	4559.6	2833.5	1746.1	1487.7	1364.7	1290.1	1224.0	1170.4
5949.6	42.5°	5861.3	5799.3	4621.6	2687.4	1586.4	1387.8	1273.3	1172.5	1085.3	1035.9
6386.6	45°	6295.2	6155.5	4620.5	2501.5	1451.9	1296.4	1175.6	1032.7	951.8	905.6
6835.2	47.5°	6755.4	6495.9	4563.8	2295.6	1321.7	1195.6	1024.3	915.1	861.5	833.1
7322.7	50°	7230.2	6814.2	4467.2	2059.2	1188.2	1081.1	929.8	855.2	814.2	788.0
7806.0	52.5°	7676.7	7103.1	4350.5	1791.3	1052.7	969.7	887.8	830.0	786.9	757.5
8274.5	55°	8091.7	7352.1	4185.6	1517.1	942.4	895.1	867.8	819.5	770.1	735.4
8750.5	57.5°	8460.5	7513.9	3900.9	1259.7	863.6	843.6	846.8	801.6	744.9	715.5
9219.0	60°	8767.3	7632.6	3479.6	1021.2	799.5	793.2	814.2	768.0	701.8	668.2
9615.1	62.5°	8951.1	7630.5	2962.7	836.3	744.9	747.0	771.1	726.0	658.7	627.2
9822.1	65°	8935.4	7443.5	2395.4	715.5	692.3	694.4	726.0	679.7	623.0	604.1
9718.1	67.5°	8619.1	6987.6	1837.5	636.7	634.6	644.0	680.8	648.2	600.9	598.8
9098.2	70°	7762.9	6041.0	1323.8	573.6	574.7	588.3	636.7	628.3	589.4	593.6
7649.4	72.5°	6224.8	4605.8	888.8	507.4	508.5	530.6	594.6	612.5	577.8	633.5
5427.4	75°	4145.7	2872.3	571.5	437.1	438.1	466.5	557.9	582.0	546.3	631.4
2824.0	77.5°	1991.9	1291.2	413.9	367.7	367.7	394.0	482.2	521.1	465.4	490.6
907.7	80°	688.1	485.4	325.7	296.3	290.0	307.8	406.6	451.8	401.3	369.8
296.3	82.5°	271.1	252.1	261.6	230.1	209.1	220.6	316.2	373.0	295.2	266.9
167.0	85°	155.5	163.9	184.9	152.3	120.8	135.5	232.2	267.9	222.7	196.5
54.6	87.5°	42.0	57.8	85.1	78.8	54.6	57.8	110.3	148.1	128.2	98.8
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°
2217.8
2274.6
2364.9
2474.2
2575.0
2610.7
2611.8
2565.6
2457.4
2304.0
2143.2
1996.1
1865.9
1703.0
1520.2
1338.5
1175.6
1039.0
903.5
826.8
778.5
744.9
721.8
696.5
653.5
617.8
603.0
602.0
592.5
641.9
636.7
449.7
346.7
265.8
200.7
101.9
0.0

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