

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: P848196

Luminaire Tested: **GLAN-SB4C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19152 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

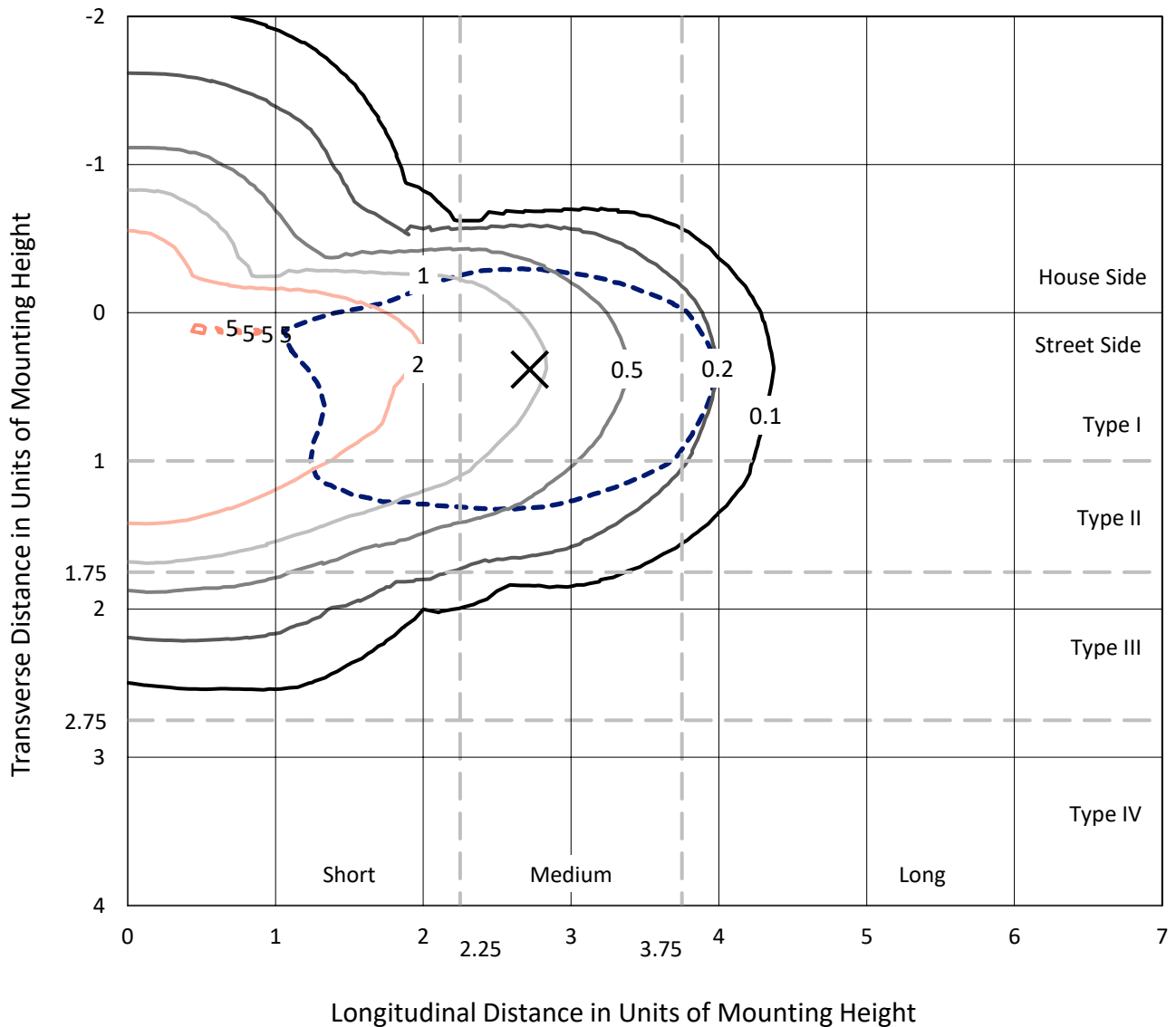
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

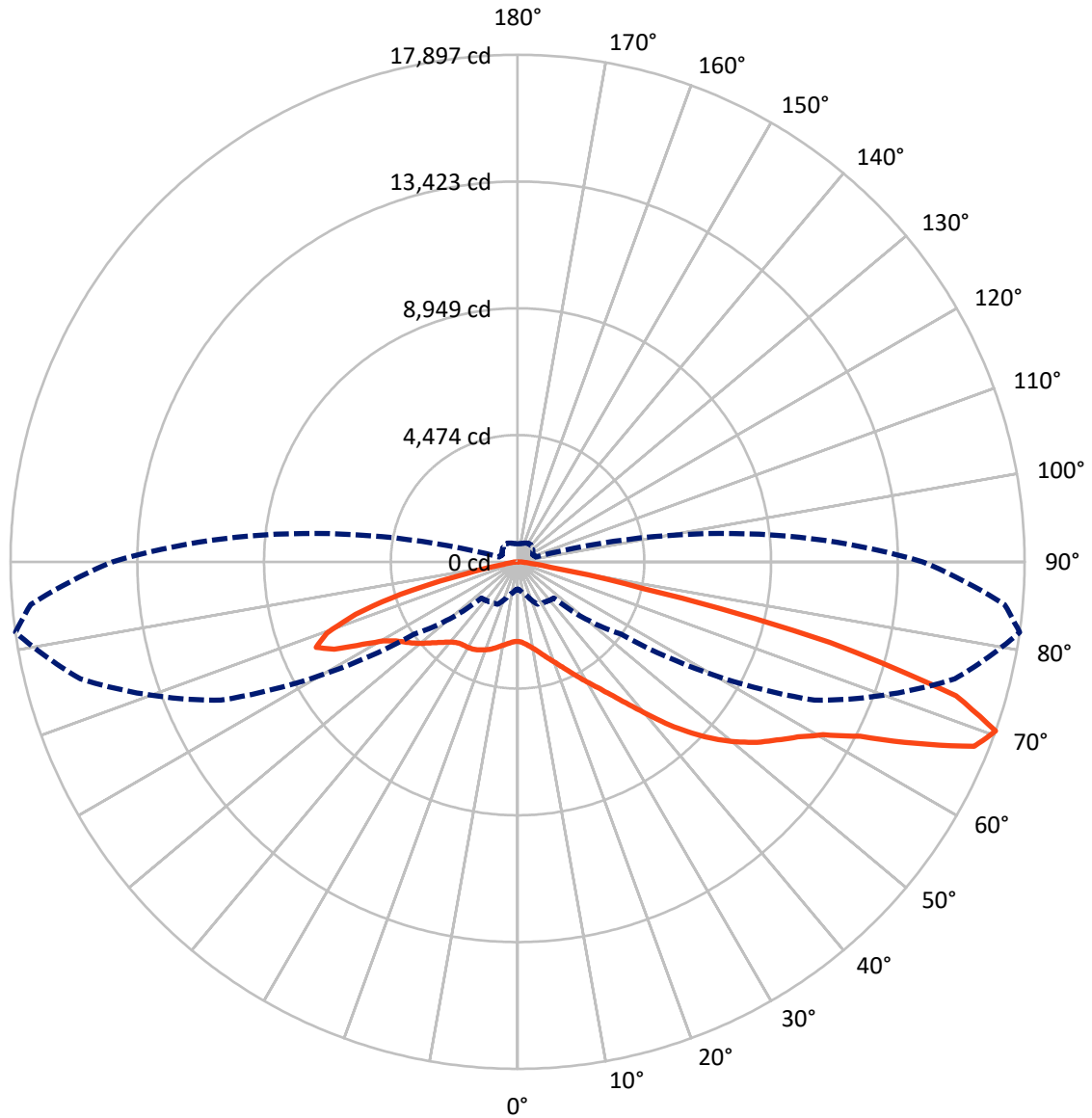
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4721.4	0.0	4721.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14430.6	0.0	14430.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	19152.0	0.0	19152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.1	1.4
10°-20°	761.7	4.0
20°-30°	1274.2	6.7
30°-40°	1990.7	10.4
40°-50°	3170.4	16.6
50°-60°	4412.0	23.0
60°-70°	4615.2	24.1
70°-80°	2412.1	12.6
80°-90°	250.5	1.3
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°	19152.0	100.0
0°-180°	19152.0	100.0

Coefficient of Utilization

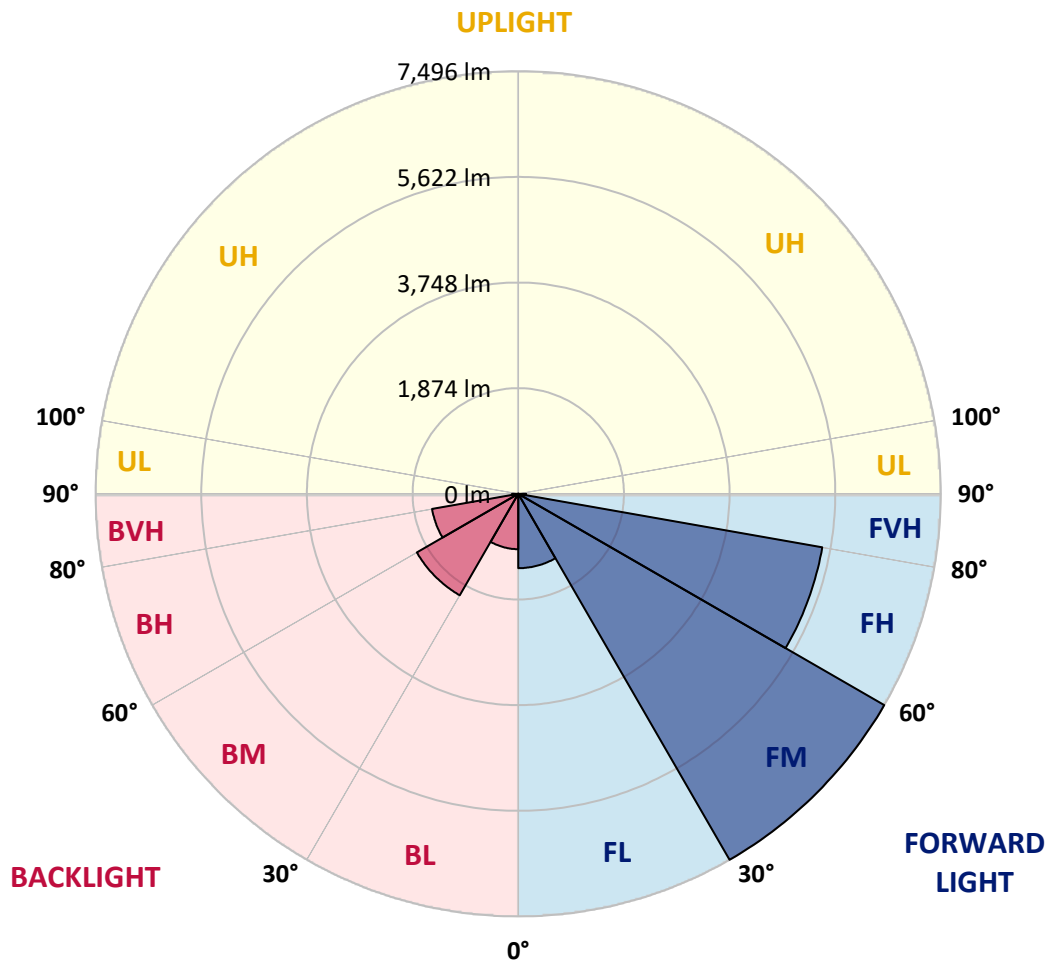


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.8	6.9			
FM (30°-60°)	7495.9	39.1			
FH (60°-80°)	5475.6	28.6			G3/7500
FVH (80°-90°)	140.2	0.7			G2/225
BL (0°-30°)	982.2	5.1	B2/1000		
BM (30°-60°)	2077.2	10.8	B2/2500		
BH (60°-80°)	1551.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	110.3	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9
2.5°	2875.0	2891.3	2886.2	2881.1	2881.1	2874.0	2873.0	2862.8	2854.7	2841.5
5°	2911.6	2928.9	2926.8	2930.9	2944.1	2947.2	2950.2	2944.1	2927.8	2911.6
7.5°	2879.1	2898.4	2904.5	2928.9	2969.5	3006.1	3033.5	3044.7	3029.5	3006.1
10°	2769.3	2790.6	2812.0	2869.9	2942.1	3028.5	3101.6	3145.3	3142.3	3119.9
12.5°	2546.7	2569.1	2614.8	2727.6	2859.8	3012.2	3148.4	3239.8	3271.3	3255.1
15°	2368.9	2388.2	2422.8	2538.6	2710.4	2942.1	3165.6	3343.5	3423.8	3414.6
17.5°	2363.8	2371.9	2393.3	2448.2	2580.3	2832.3	3147.4	3445.1	3598.6	3597.6
20°	2453.2	2456.3	2468.5	2479.7	2554.9	2749.0	3100.6	3529.5	3794.7	3794.7
22.5°	2577.2	2575.2	2587.4	2577.2	2613.8	2741.9	3071.1	3603.7	4013.2	4029.5
25°	2763.2	2753.0	2750.0	2726.6	2733.7	2807.9	3103.7	3688.0	4272.4	4305.9
27.5°	3011.2	2994.9	2983.7	2929.9	2911.6	2944.1	3203.2	3789.6	4561.0	4618.9
30°	3334.3	3304.9	3288.6	3195.1	3129.1	3134.1	3353.7	3924.8	4862.8	4956.3
32.5°	3775.4	3729.7	3686.0	3532.5	3411.6	3371.9	3547.8	4111.8	5190.0	5339.4
35°	4269.3	4232.7	4186.0	3949.2	3763.2	3671.7	3810.0	4373.0	5573.2	5810.0
37.5°	4744.9	4713.4	4735.8	4416.7	4176.8	4043.7	4153.4	4723.6	6045.7	6395.3
40°	5236.8	5212.4	5215.4	4910.6	4631.1	4481.7	4570.1	5163.6	6587.4	7091.5
42.5°	5771.3	5753.0	5692.1	5421.7	5107.7	4968.5	5049.8	5671.7	7168.7	7884.1
45°	6369.9	6358.7	6301.8	5991.9	5632.1	5475.6	5585.4	6232.7	7753.0	8630.1
47.5°	6887.2	6896.3	6889.2	6628.0	6255.1	6025.4	6156.5	6818.1	8296.7	9331.3
50°	7136.2	7183.9	7254.1	7172.8	6941.0	6707.3	6732.7	7383.1	8815.0	9988.8
52.5°	7006.1	7096.5	7287.6	7417.7	7507.1	7458.3	7390.2	7944.1	9302.8	10582.3
55°	6521.3	6648.4	6965.4	7279.5	7735.8	8090.4	8179.9	8566.0	9778.4	11104.7
57.5°	5638.2	5844.5	6129.1	6764.2	7532.5	8396.3	9100.6	9428.8	10282.5	11662.6
60°	4124.0	4400.4	4754.1	5699.2	6821.1	8232.7	9884.1	10754.0	10999.0	12385.1
62.5°	2639.2	2810.0	3135.2	4025.4	5315.0	7394.3	10124.0	12410.6	12213.4	13570.1
65°	1806.9	1916.7	2214.4	2714.4	3436.0	5504.1	9481.7	13652.4	14142.3	15448.1
67.5°	1313.0	1396.3	1650.4	2088.4	2238.8	3257.1	7357.7	13595.5	16017.3	17383.1
70°	957.3	1016.3	1229.7	1650.4	1722.6	1812.0	4457.3	11556.9	15976.6	17897.3
72.5°	709.3	750.0	893.3	1280.5	1394.3	1223.6	2206.3	8399.4	13728.6	16188.0
75°	513.2	543.7	649.4	979.7	1115.9	931.9	1100.6	4908.5	9576.2	11387.2
77.5°	392.3	415.6	484.8	717.5	893.3	699.2	682.9	2258.1	4540.6	4563.0
80°	315.0	330.3	367.9	505.1	685.0	523.4	445.1	911.6	1435.0	1214.4
82.5°	231.7	257.1	311.0	354.7	489.8	360.8	271.3	460.4	545.7	469.5
85°	132.1	149.4	188.0	254.1	313.0	220.5	155.5	204.3	254.1	208.3
87.5°	46.7	61.0	66.1	99.6	136.2	91.5	60.0	58.9	83.3	62.0
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°
2807.9	0°	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9	2807.9
2838.4	2.5°	2828.2	2823.2	2802.8	2775.4	2746.9	2719.5	2710.4	2691.1	2677.8	2670.7
2904.5	5°	2885.2	2868.9	2821.1	2760.2	2696.1	2627.0	2578.2	2533.5	2501.0	2470.5
2994.9	7.5°	2966.5	2938.0	2855.7	2749.0	2635.2	2520.3	2435.0	2369.9	2326.2	2297.8
3100.6	10°	3061.0	3017.3	2891.3	2731.7	2555.9	2391.3	2290.6	2234.8	2207.3	2192.1
3221.5	12.5°	3169.7	3107.7	2927.8	2692.1	2435.0	2246.9	2177.8	2161.6	2162.6	2163.6
3374.0	15°	3303.9	3217.5	2957.3	2605.7	2277.4	2136.2	2124.0	2150.4	2177.8	2191.1
3546.7	17.5°	3455.3	3333.3	2962.4	2463.4	2123.0	2065.0	2103.7	2160.6	2202.2	2220.5
3739.8	20°	3617.9	3451.2	2925.8	2262.2	1995.9	2007.1	2076.2	2149.4	2195.1	2218.5
3960.4	22.5°	3803.9	3577.2	2838.4	2050.8	1892.3	1944.1	2025.4	2096.5	2144.3	2167.7
4219.5	25°	4016.3	3718.5	2701.2	1873.0	1802.8	1873.0	1954.3	2013.2	2051.8	2073.2
4509.1	27.5°	4252.0	3865.8	2518.3	1731.7	1724.6	1799.8	1866.9	1912.6	1932.9	1949.2
4817.1	30°	4488.8	4000.0	2296.7	1625.0	1656.5	1727.6	1775.4	1795.7	1801.8	1804.9
5160.6	32.5°	4744.9	4115.8	2064.0	1536.6	1591.5	1657.5	1686.0	1695.1	1666.7	1647.4
5577.2	35°	5054.9	4239.8	1836.4	1466.5	1527.4	1584.3	1593.5	1585.4	1551.8	1512.2
6099.6	37.5°	5438.0	4394.3	1654.5	1416.7	1467.5	1505.1	1493.9	1491.9	1494.9	1448.2
6727.6	40°	5907.5	4595.5	1521.3	1378.0	1418.7	1426.8	1395.3	1412.6	1427.8	1356.7
7416.7	42.5°	6428.9	4838.4	1437.0	1351.6	1378.0	1358.7	1310.0	1329.3	1327.2	1233.7
8108.7	45°	6960.4	5102.6	1407.5	1332.3	1340.4	1301.8	1248.0	1253.0	1210.4	1126.0
8772.3	47.5°	7488.8	5386.2	1425.8	1316.1	1293.7	1250.0	1208.3	1186.0	1123.0	1060.0
9408.5	50°	8007.1	5683.9	1492.9	1283.5	1229.7	1204.3	1173.8	1134.1	1067.1	1013.2
10010.1	52.5°	8487.8	5983.7	1568.1	1229.7	1149.4	1164.6	1145.3	1099.6	1033.5	978.7
10579.3	55°	8943.1	6283.5	1597.6	1155.5	1074.2	1130.1	1118.9	1034.6	955.3	910.6
11174.8	57.5°	9439.0	6644.3	1565.0	1061.0	1013.2	1090.4	1047.8	954.3	908.5	875.0
11950.2	60°	10126.0	7210.4	1494.9	944.1	955.3	1031.5	958.3	919.7	869.9	832.3
13112.8	62.5°	11267.3	8266.2	1382.1	828.3	887.2	944.1	915.6	877.0	826.2	789.6
15100.6	65°	12954.2	9733.7	1169.7	737.8	811.0	858.7	869.9	831.3	778.5	739.8
16842.5	67.5°	14377.0	10654.5	885.2	662.6	732.7	789.6	821.1	783.5	727.6	690.0
17250.0	70°	14298.8	9985.8	675.8	588.4	663.6	721.5	762.2	732.7	672.8	637.2
15668.7	72.5°	12700.2	8353.6	546.7	513.2	593.5	650.4	699.2	676.8	615.9	581.3
11478.6	75°	9330.3	5929.9	437.0	437.0	506.1	576.2	630.1	615.9	560.0	535.6
4819.1	77.5°	3932.9	2487.8	342.5	362.8	420.7	494.9	562.0	567.1	518.3	548.8
1274.4	80°	1045.7	686.0	261.2	285.6	330.3	408.5	488.8	486.8	433.9	405.5
473.6	82.5°	398.4	270.3	186.0	201.2	238.8	313.0	387.2	399.4	346.5	299.8
186.0	85°	153.5	115.9	114.8	120.9	139.2	207.3	292.7	302.8	261.2	221.5
51.8	87.5°	39.6	34.6	42.7	40.7	64.0	110.8	167.7	173.8	159.6	92.5
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°
2807.9
2678.9
2482.7
2303.9
2196.1
2165.6
2190.0
2224.6
2224.6
2173.8
2079.3
1955.3
1812.0
1653.5
1514.2
1451.2
1358.7
1232.7
1129.1
1060.0
1009.1
979.7
906.5
871.9
830.3
789.6
741.9
691.1
640.2
581.3
528.5
498.0
377.0
299.8
228.7
132.1
0.0

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