

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: P852595

Luminaire Tested: **GLAN-SB5A-727-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-727-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19917 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

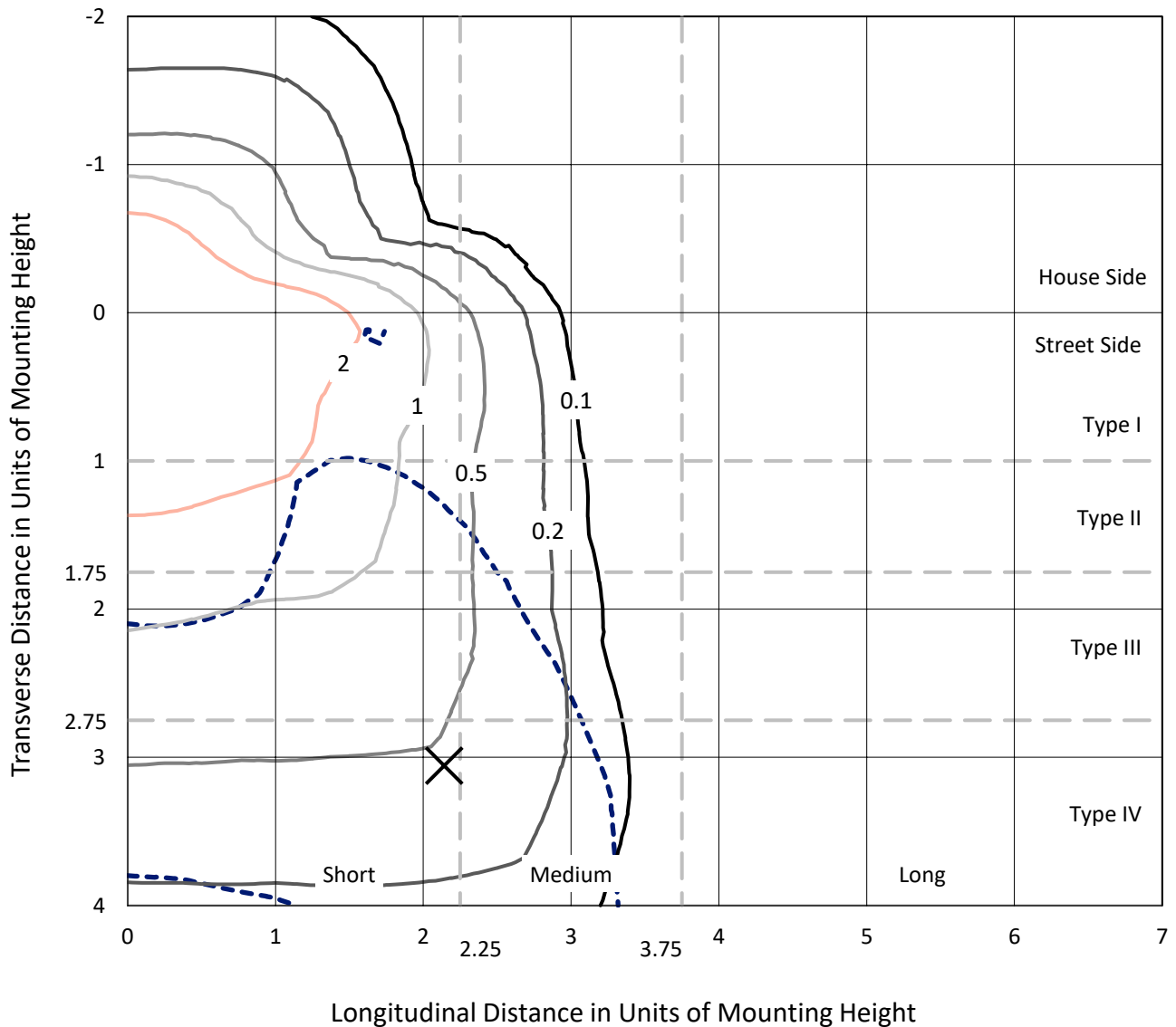
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

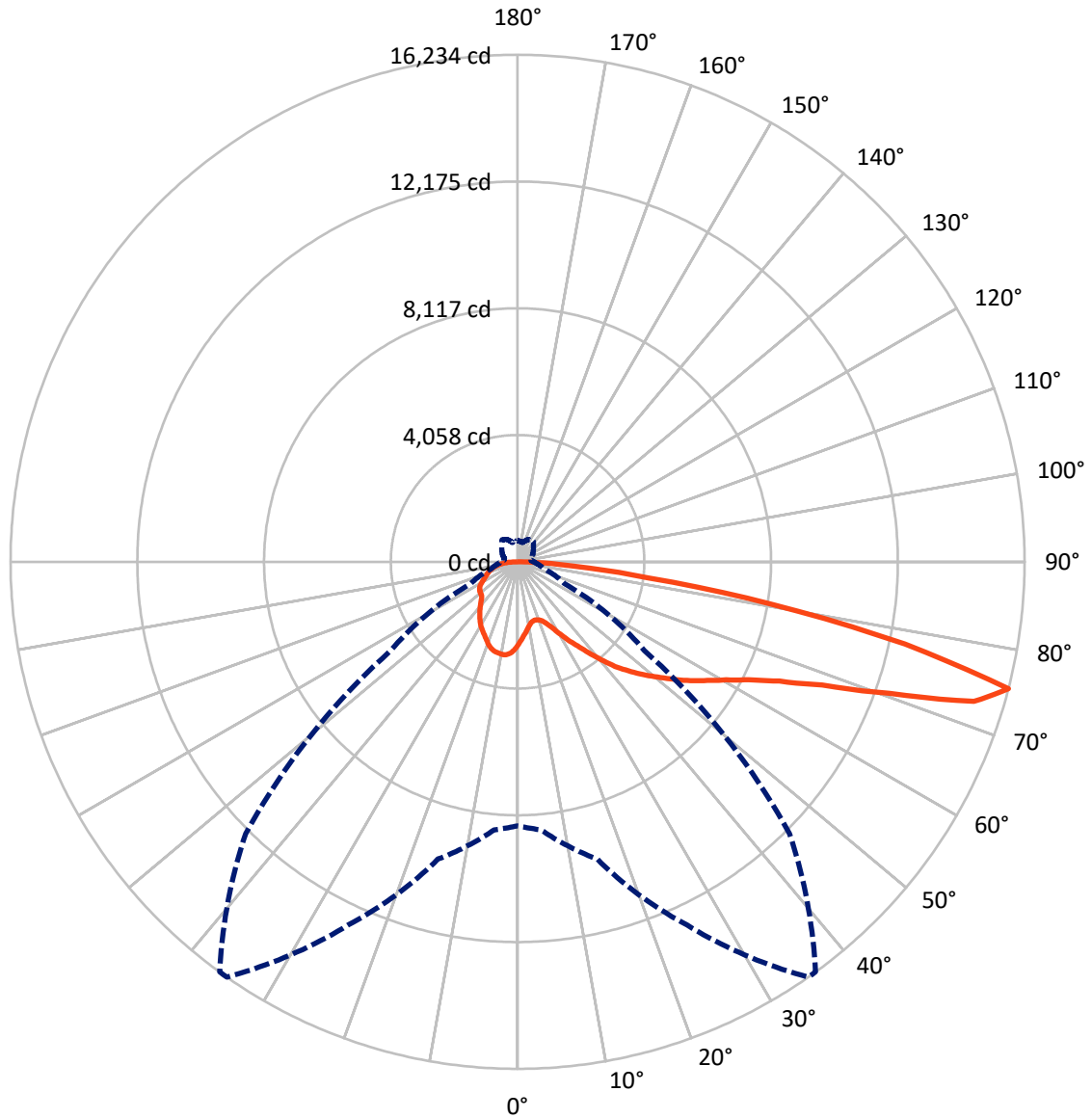
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4739.7	0.0	4739.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15177.3	0.0	15177.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	19917.0	0.0	19917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	1.3
10°-20°	724.8	3.6
20°-30°	1217.2	6.1
30°-40°	1891.6	9.5
40°-50°	2807.7	14.1
50°-60°	3876.2	19.5
60°-70°	4702.7	23.6
70°-80°	3886.4	19.5
80°-90°	559.0	2.8
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°	19917.0	100.0
0°-180°	19917.0	100.0

Coefficient of Utilization

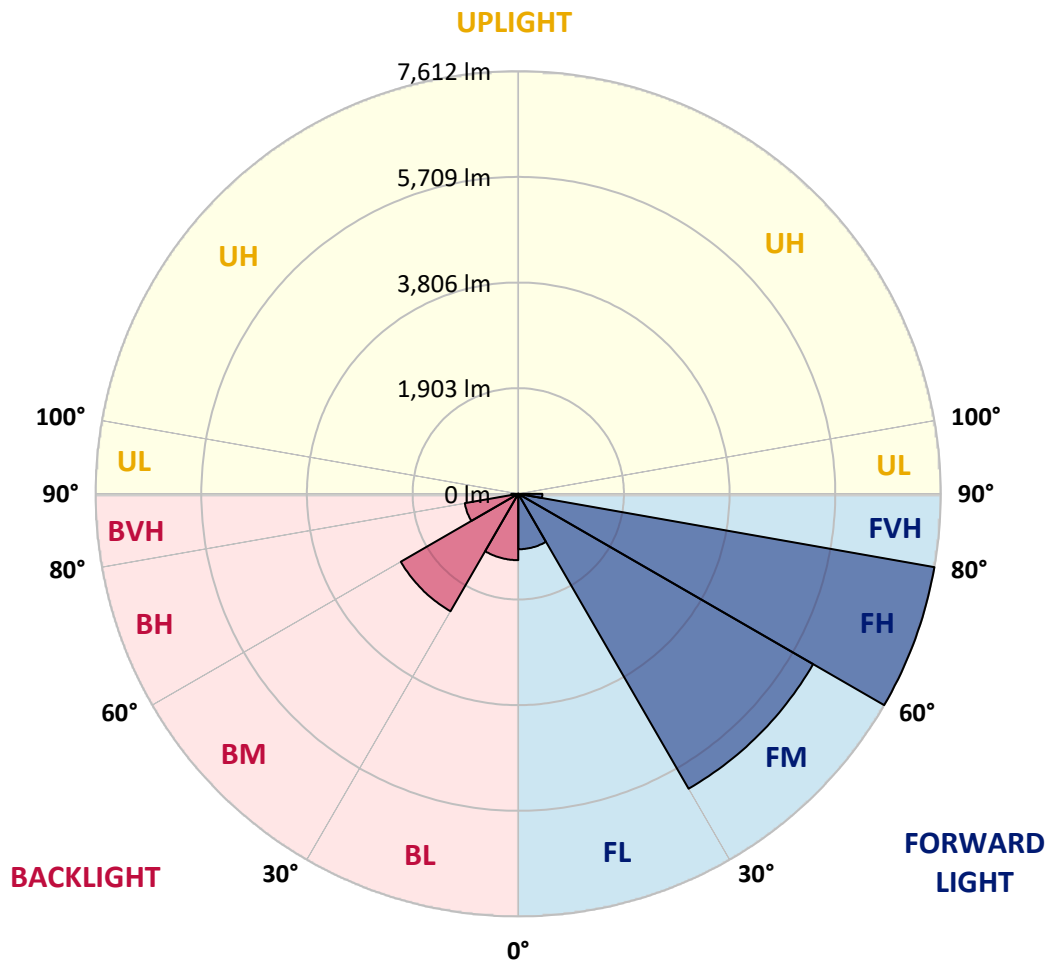


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.8	5.0			
FM (30°-60°)	6133.4	30.8			
FH (60°-80°)	7612.0	38.2			G4/12000
FVH (80°-90°)	433.1	2.2			G3/500
BL (0°-30°)	1194.5	6.0	B3/2500		
BM (30°-60°)	2442.2	12.3	B2/2500		
BH (60°-80°)	977.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	125.9	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1
2.5°	2447.3	2462.4	2468.9	2465.7	2481.8	2479.6	2502.3	2530.3	2569.0	2606.7
5°	2258.9	2275.1	2289.1	2302.0	2333.2	2342.9	2378.4	2432.3	2503.3	2575.5
7.5°	2083.4	2097.4	2119.0	2142.6	2195.4	2205.1	2264.3	2348.3	2447.3	2552.9
10°	1940.2	1954.2	1976.8	2003.7	2069.4	2081.3	2156.6	2268.6	2397.8	2531.3
12.5°	1878.8	1883.2	1896.1	1923.0	1980.1	1987.6	2070.5	2198.6	2349.4	2515.2
15°	1875.6	1884.2	1885.3	1899.3	1946.7	1949.9	2026.4	2153.4	2319.2	2512.0
17.5°	1907.9	1914.4	1904.7	1913.3	1953.1	1958.5	2018.8	2131.9	2309.5	2525.9
20°	1994.1	1999.4	1970.4	1958.5	1987.6	1991.9	2051.1	2145.9	2319.2	2555.0
22.5°	2177.1	2180.3	2109.3	2060.8	2063.0	2065.1	2116.8	2202.9	2356.9	2607.8
25°	2462.4	2460.3	2347.2	2253.5	2199.7	2187.9	2222.3	2295.5	2420.4	2677.8
27.5°	2796.2	2780.0	2667.0	2527.0	2409.7	2392.4	2384.9	2416.1	2510.9	2770.4
30°	3173.0	3158.0	3036.3	2853.3	2690.7	2662.7	2591.6	2575.5	2645.5	2896.3
32.5°	3586.5	3576.8	3431.5	3209.7	2992.2	2959.9	2840.3	2797.3	2852.2	3086.9
35°	3933.2	3924.6	3804.0	3575.7	3309.8	3269.9	3148.3	3099.8	3127.8	3331.3
37.5°	4246.5	4242.2	4138.8	3959.0	3684.5	3636.0	3499.3	3483.1	3477.8	3653.3
40°	4537.2	4526.5	4418.8	4324.0	4120.5	4076.4	3955.8	3941.8	3900.9	4049.5
42.5°	4859.2	4831.2	4675.0	4630.9	4576.0	4539.4	4467.2	4469.4	4379.0	4496.3
45°	5121.9	5105.7	4945.3	4919.5	4978.7	4963.6	5026.1	5042.2	4866.7	4964.7
47.5°	5404.0	5388.9	5253.2	5234.9	5395.4	5399.7	5620.4	5625.8	5342.6	5451.4
50°	5751.8	5730.2	5595.6	5618.2	5798.1	5814.2	6218.0	6181.4	5780.8	5945.6
52.5°	5981.1	5994.0	5964.9	6001.5	6247.0	6262.1	6805.8	6712.2	6214.7	6433.3
55°	6150.1	6176.0	6266.4	6350.4	6720.8	6735.9	7360.3	7217.1	6574.4	6885.5
57.5°	6367.6	6331.0	6500.1	6663.7	7170.8	7210.7	7899.8	7703.8	6893.1	7275.3
60°	6679.9	6654.0	6785.4	7027.6	7674.7	7738.3	8470.4	8142.0	7126.7	7584.3
62.5°	7313.0	7248.4	7268.8	7483.1	8310.0	8394.0	9114.3	8524.3	7243.0	7704.9
65°	8259.4	8148.5	8045.1	8193.7	9204.7	9287.6	9841.1	8824.7	7199.9	7471.2
67.5°	9451.3	9341.5	9214.4	9354.4	10522.6	10588.3	10738.0	8993.7	6860.8	6571.1
70°	10434.3	10393.4	10545.2	11121.3	12627.6	12629.7	11887.9	8853.7	5931.6	4658.9
72.5°	10304.1	10279.3	11079.3	12860.2	15280.6	15223.5	12976.4	7794.3	3995.6	2101.7
75°	8453.2	8613.6	9852.9	12828.9	16233.5	16225.9	12310.0	4955.0	1652.7	871.1
77.5°	4532.9	4787.0	6396.7	9471.8	12672.8	12863.4	8654.5	1733.5	709.5	557.7
80°	1478.3	1700.1	2549.6	4822.6	8234.6	8199.1	3709.2	680.5	485.6	395.2
82.5°	627.7	653.6	1139.2	2277.2	4226.1	4160.4	1181.1	390.8	341.3	270.3
85°	245.5	274.6	502.8	1053.0	1830.4	1790.6	426.4	193.8	218.6	176.6
87.5°	80.8	98.0	179.8	360.7	569.6	549.1	104.4	66.8	94.7	80.8
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°
2654.1	0°	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1	2654.1
2661.6	2.5°	2676.7	2693.9	2714.4	2744.5	2770.4	2791.9	2814.5	2828.5	2833.9	2850.0
2665.9	5°	2696.1	2733.8	2784.4	2833.9	2882.3	2911.4	2937.2	2950.2	2962.0	2970.6
2677.8	7.5°	2728.4	2776.8	2856.5	2921.1	2962.0	2985.7	3002.9	2998.6	3002.9	3005.1
2690.7	10°	2756.4	2824.2	2918.9	2980.3	3011.5	3012.6	3008.3	2993.2	2985.7	2986.8
2710.1	12.5°	2789.7	2865.1	2967.4	3019.1	3027.7	3004.0	2985.7	2959.9	2950.2	2945.9
2739.1	15°	2835.0	2921.1	3020.2	3039.5	3018.0	2987.9	2956.6	2914.6	2893.1	2875.9
2788.7	17.5°	2889.9	2984.6	3061.1	3047.1	3000.8	2951.2	2900.6	2837.1	2793.0	2774.7
2856.5	20°	2966.3	3051.4	3092.3	3030.9	2960.9	2885.6	2799.4	2721.9	2681.0	2662.7
2942.6	22.5°	3058.9	3140.7	3122.4	3002.9	2903.9	2783.3	2675.6	2618.5	2598.1	2585.2
3053.5	25°	3169.8	3239.8	3144.0	2962.0	2810.2	2647.6	2564.7	2546.4	2536.7	2527.0
3189.2	27.5°	3314.1	3351.8	3160.1	2901.7	2663.8	2503.3	2473.2	2476.4	2473.2	2457.0
3377.6	30°	3504.7	3497.1	3175.2	2803.7	2495.8	2373.1	2375.2	2389.2	2391.4	2380.6
3640.3	32.5°	3755.5	3679.1	3182.7	2676.7	2335.4	2258.9	2261.1	2276.2	2286.9	2268.6
3983.8	35°	4059.2	3891.2	3170.9	2517.3	2211.5	2150.2	2134.0	2138.3	2141.6	2124.3
4400.5	37.5°	4413.4	4129.2	3118.1	2340.8	2109.3	2043.6	2009.1	1980.1	1962.8	1946.7
4872.1	40°	4802.1	4388.6	3021.2	2168.5	1995.1	1930.5	1878.8	1823.9	1765.8	1744.3
5371.7	42.5°	5209.1	4655.7	2903.9	2003.7	1863.8	1811.0	1756.1	1676.4	1589.2	1545.1
5890.6	45°	5631.2	4929.2	2788.7	1841.2	1729.2	1706.6	1643.1	1547.2	1452.5	1396.5
6410.7	47.5°	6044.6	5187.6	2619.6	1677.5	1603.2	1628.0	1578.4	1490.2	1384.6	1296.4
6926.4	50°	6439.8	5429.8	2342.9	1511.7	1500.9	1604.3	1556.9	1429.9	1309.3	1196.2
7432.5	52.5°	6831.7	5625.8	1988.7	1361.0	1446.0	1597.8	1528.9	1388.9	1241.4	1123.0
7908.4	55°	7164.4	5727.0	1647.4	1231.7	1366.3	1542.9	1495.5	1340.5	1145.6	1019.6
8234.6	57.5°	7353.9	5645.2	1363.1	1104.7	1256.5	1452.5	1438.5	1237.1	1031.5	934.6
8298.2	60°	7272.1	5313.5	1130.5	993.8	1152.1	1354.5	1339.4	1134.8	944.3	852.7
7957.9	62.5°	6820.9	4681.5	946.4	896.9	1057.3	1254.4	1240.4	1056.2	877.5	789.2
7054.6	65°	5912.2	3808.3	803.2	816.1	961.5	1133.8	1154.2	990.6	824.8	738.6
5457.8	67.5°	4509.2	2758.5	691.2	746.2	867.8	1015.3	1074.6	943.2	780.6	698.8
3158.0	70°	2570.1	1566.6	596.5	678.3	784.9	905.5	1013.2	905.5	733.2	665.4
1183.3	72.5°	974.4	719.2	515.7	610.5	705.2	812.9	945.3	846.3	678.3	627.7
611.6	75°	520.0	438.2	433.9	530.8	613.7	722.5	860.3	788.1	637.4	663.2
423.1	77.5°	354.2	310.1	362.8	454.4	513.6	622.3	769.8	699.9	552.3	550.2
292.9	80°	245.5	219.6	295.0	366.1	397.3	523.3	671.9	600.8	450.1	419.9
180.9	82.5°	147.5	143.2	220.7	273.5	281.0	403.8	556.7	503.9	368.2	320.9
107.7	85°	80.8	85.1	141.0	160.4	163.7	282.1	436.1	389.8	283.2	238.0
38.8	87.5°	22.6	29.1	51.7	63.5	78.6	146.4	259.5	231.5	142.1	99.1
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°
2654.1
2849.0
2972.8
3008.3
2988.9
2943.7
2881.3
2775.7
2660.5
2587.3
2527.0
2460.3
2386.0
2277.2
2136.2
1957.4
1754.0
1550.5
1392.2
1286.7
1186.5
1110.1
1008.9
921.7
839.8
775.2
724.6
685.9
656.8
619.1
684.8
507.1
401.6
323.0
240.1
99.1
0.0

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