

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: P847466

Luminaire Tested: **GLAN-SB3C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847466
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-SB3C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17752 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

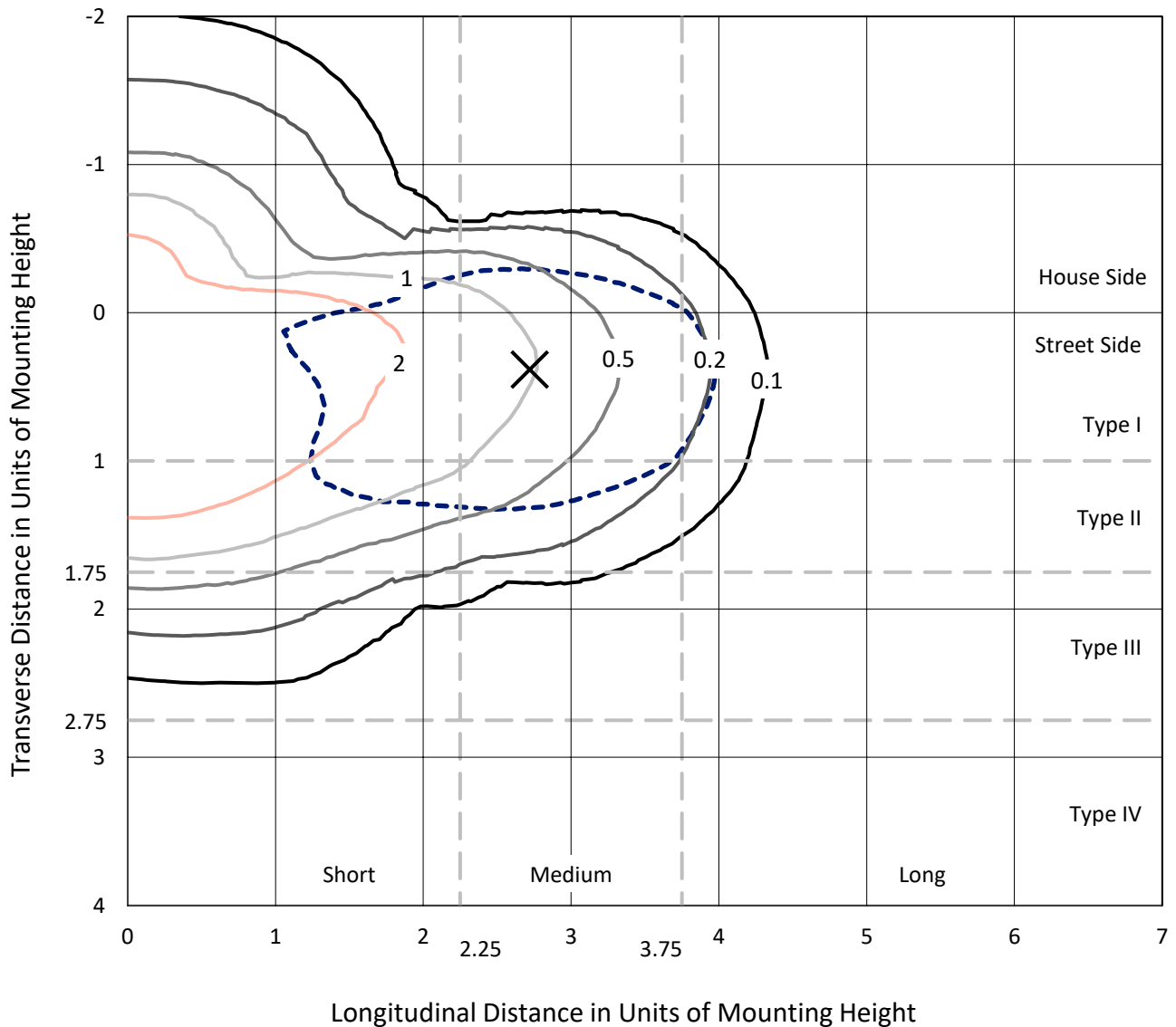
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

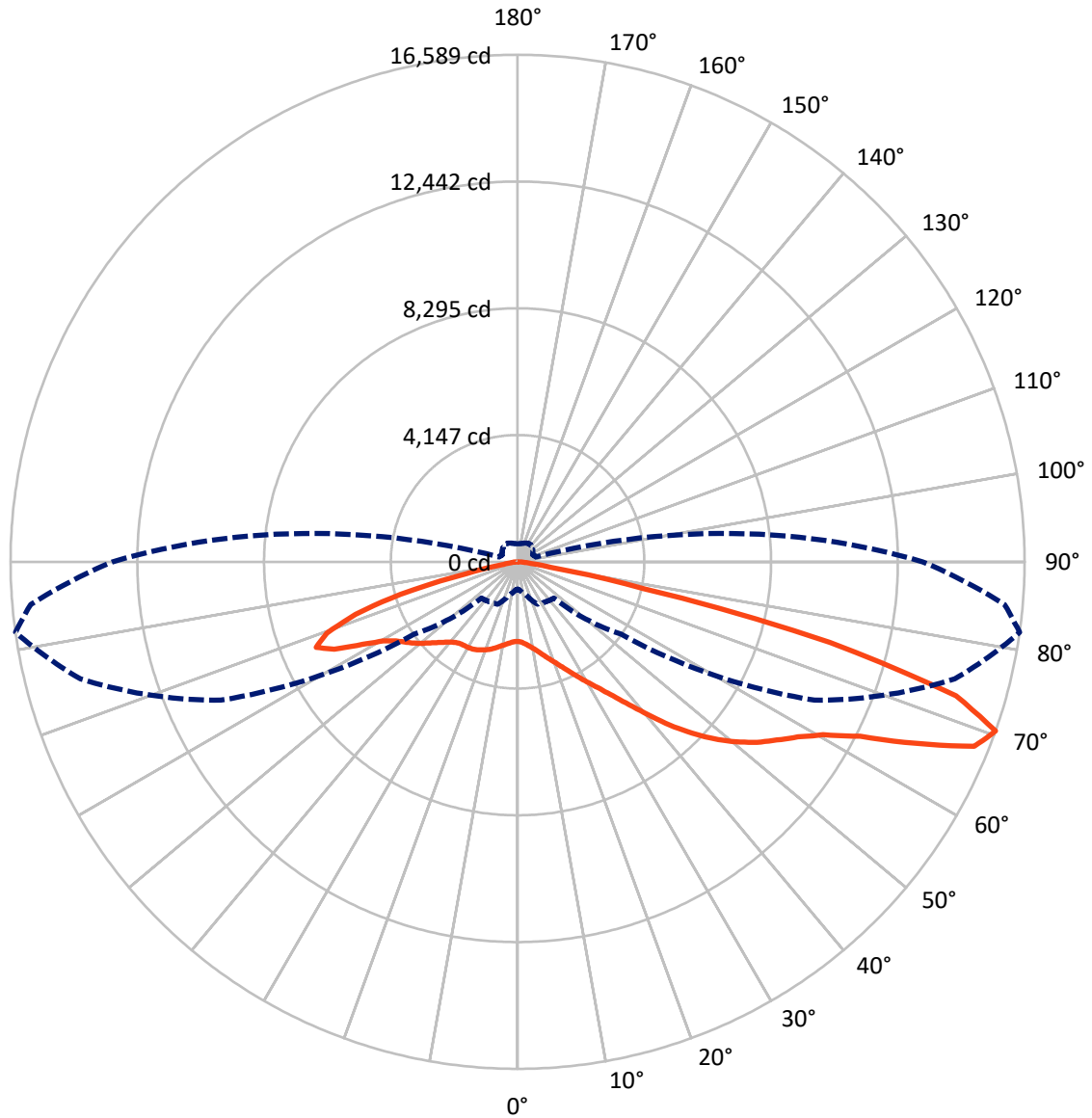
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	4376.3	0.0	4376.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13375.7	0.0	13375.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	17752.0	0.0	17752.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	1.4
10°-20°	706.0	4.0
20°-30°	1181.1	6.7
30°-40°	1845.2	10.4
40°-50°	2938.7	16.6
50°-60°	4089.5	23.0
60°-70°	4277.8	24.1
70°-80°	2235.8	12.6
80°-90°	232.2	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°	17752.0	100.0
0°-180°	17752.0	100.0

Coefficient of Utilization

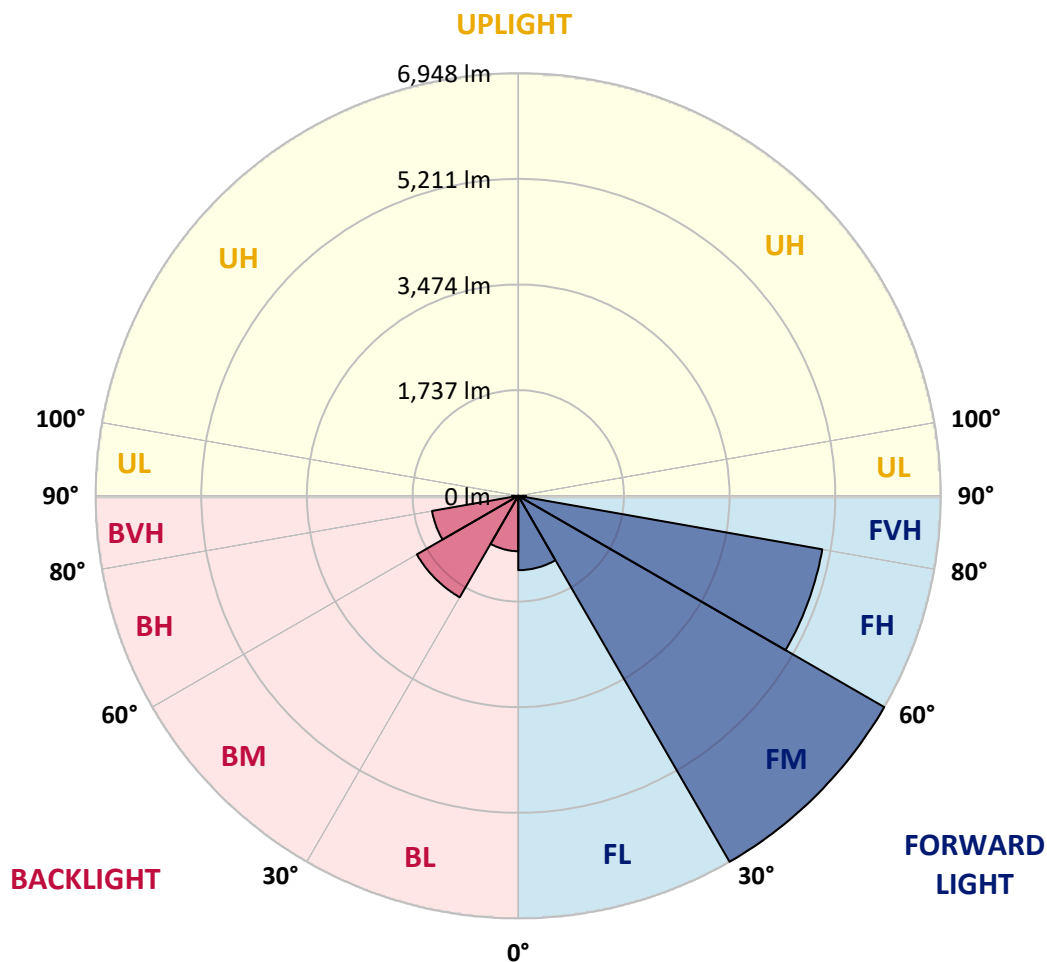


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1222.4	6.9			
FM (30°-60°)	6948.0	39.1			
FH (60°-80°)	5075.4	28.6			G3/7500
FVH (80°-90°)	130.0	0.7			G2/225
BL (0°-30°)	910.4	5.1	B2/1000		
BM (30°-60°)	1925.4	10.8	B2/2500		
BH (60°-80°)	1438.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	102.2	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°	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7
2.5°	2664.8	2679.9	2675.2	2670.5	2670.5	2663.9	2663.0	2653.5	2646.0	2633.8
5°	2698.7	2714.8	2712.9	2716.6	2728.9	2731.7	2734.5	2728.9	2713.8	2698.7
7.5°	2668.6	2686.5	2692.2	2714.8	2752.4	2786.3	2811.8	2822.1	2808.0	2786.3
10°	2566.9	2586.7	2606.4	2660.1	2727.0	2807.1	2874.9	2915.4	2912.6	2891.9
12.5°	2360.6	2381.3	2423.7	2528.2	2650.7	2792.0	2918.2	3003.0	3032.2	3017.1
15°	2195.7	2213.6	2245.7	2353.0	2512.2	2727.0	2934.2	3099.1	3173.5	3165.0
17.5°	2191.0	2198.6	2218.3	2269.2	2391.7	2625.3	2917.3	3193.3	3335.5	3334.6
20°	2273.9	2276.7	2288.0	2298.4	2368.1	2548.0	2874.0	3271.5	3517.3	3517.3
22.5°	2388.8	2387.0	2398.3	2388.8	2422.7	2541.4	2846.6	3340.2	3719.8	3734.9
25°	2561.2	2551.8	2549.0	2527.3	2533.9	2602.7	2876.8	3418.4	3960.0	3991.1
27.5°	2791.1	2776.0	2765.6	2715.7	2698.7	2728.9	2969.1	3512.6	4227.6	4281.3
30°	3090.6	3063.3	3048.2	2961.6	2900.3	2905.0	3108.5	3637.9	4507.3	4594.0
32.5°	3499.4	3457.0	3416.5	3274.3	3162.2	3125.5	3288.4	3811.2	4810.6	4949.1
35°	3957.2	3923.3	3880.0	3660.5	3488.1	3403.3	3531.4	4053.3	5165.8	5385.2
37.5°	4398.1	4368.9	4389.6	4093.8	3871.5	3748.1	3849.8	4378.3	5603.8	5927.8
40°	4854.0	4831.4	4834.2	4551.6	4292.6	4154.1	4236.0	4786.2	6105.9	6573.1
42.5°	5349.5	5332.5	5276.0	5025.4	4734.3	4605.3	4680.7	5257.1	6644.7	7307.8
45°	5904.3	5893.9	5841.2	5553.9	5220.4	5075.3	5177.1	5777.1	7186.3	7999.2
47.5°	6383.7	6392.2	6385.6	6143.5	5797.8	5584.9	5706.5	6319.7	7690.2	8649.2
50°	6614.5	6658.8	6723.8	6648.4	6433.7	6217.0	6240.6	6843.4	8170.7	9258.6
52.5°	6493.9	6577.8	6754.9	6875.4	6958.3	6913.1	6850.0	7363.4	8622.8	9808.7
55°	6044.6	6162.4	6456.3	6747.3	7170.3	7499.0	7581.9	7939.9	9063.6	10292.9
57.5°	5226.1	5417.3	5681.0	6269.8	6981.9	7782.6	8435.3	8739.6	9530.9	10810.1
60°	3822.5	4078.7	4406.5	5282.6	6322.5	7630.9	9161.6	9967.9	10194.9	11479.8
62.5°	2446.3	2604.5	2906.0	3731.1	4926.5	6853.8	9383.9	11503.3	11320.6	12578.1
65°	1674.8	1776.6	2052.6	2516.0	3184.8	5101.7	8788.6	12654.4	13108.5	14318.9
67.5°	1217.0	1294.3	1529.8	1935.7	2075.2	3019.0	6819.9	12601.7	14846.4	16112.4
70°	887.3	942.0	1139.8	1529.8	1596.6	1679.5	4131.5	10712.1	14808.7	16589.0
72.5°	657.5	695.2	828.0	1186.9	1292.4	1134.1	2045.0	7785.4	12725.1	15004.7
75°	475.7	504.0	601.9	908.1	1034.3	863.8	1020.2	4549.7	8876.2	10554.8
77.5°	363.6	385.3	449.3	665.0	828.0	648.1	633.0	2093.1	4208.7	4229.4
80°	292.0	306.1	341.0	468.2	634.9	485.1	412.6	844.9	1330.1	1125.7
82.5°	214.8	238.3	288.2	328.7	454.0	334.4	251.5	426.7	505.8	435.2
85°	122.5	138.5	174.3	235.5	290.1	204.4	144.1	189.3	235.5	193.1
87.5°	43.3	56.5	61.2	92.3	126.2	84.8	55.6	54.6	77.2	57.5
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°
2602.7	0°	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7	2602.7
2630.9	2.5°	2621.5	2616.8	2598.0	2572.5	2546.1	2520.7	2512.2	2494.3	2482.1	2475.5
2692.2	5°	2674.3	2659.2	2614.9	2558.4	2499.0	2435.0	2389.8	2348.3	2318.2	2289.9
2776.0	7.5°	2749.6	2723.2	2646.9	2548.0	2442.5	2336.1	2257.0	2196.7	2156.2	2129.8
2874.0	10°	2837.2	2796.7	2679.9	2532.0	2369.1	2216.5	2123.2	2071.4	2046.0	2031.8
2986.0	12.5°	2938.0	2880.5	2713.8	2495.3	2257.0	2082.7	2018.6	2003.6	2004.5	2005.5
3127.3	15°	3062.3	2982.3	2741.1	2415.2	2111.0	1980.0	1968.7	1993.2	2018.6	2030.9
3287.5	17.5°	3202.7	3089.7	2745.8	2283.3	1967.8	1914.1	1949.9	2002.6	2041.3	2058.2
3466.5	20°	3353.4	3198.9	2711.9	2096.8	1850.0	1860.4	1924.4	1992.3	2034.7	2056.3
3670.9	22.5°	3525.8	3315.7	2630.9	1900.9	1753.9	1802.0	1877.3	1943.3	1987.6	2009.2
3911.1	25°	3722.7	3446.7	2503.8	1736.1	1671.1	1736.1	1811.4	1866.0	1901.8	1921.6
4179.5	27.5°	3941.2	3583.3	2334.2	1605.1	1598.5	1668.2	1730.4	1772.8	1791.6	1806.7
4464.9	30°	4160.7	3707.6	2128.9	1506.2	1535.4	1601.4	1645.6	1664.5	1670.1	1672.9
4783.3	32.5°	4398.1	3815.0	1913.1	1424.3	1475.1	1536.4	1562.7	1571.2	1544.8	1526.9
5169.5	35°	4685.4	3929.9	1702.1	1359.3	1415.8	1468.5	1477.0	1469.5	1438.4	1401.7
5653.7	37.5°	5040.5	4073.1	1533.5	1313.1	1360.2	1395.1	1384.7	1382.8	1385.6	1342.3
6235.8	40°	5475.7	4259.6	1410.1	1277.3	1315.0	1322.5	1293.3	1309.3	1323.5	1257.5
6874.5	42.5°	5958.9	4484.7	1331.9	1252.8	1277.3	1259.4	1214.2	1232.1	1230.2	1143.6
7516.0	45°	6451.6	4729.6	1304.6	1234.9	1242.5	1206.7	1156.7	1161.4	1121.9	1043.7
8131.1	47.5°	6941.4	4992.4	1321.6	1219.9	1199.1	1158.6	1120.0	1099.3	1040.9	982.5
8720.8	50°	7421.8	5268.4	1383.8	1189.7	1139.8	1116.2	1088.0	1051.2	989.1	939.1
9278.4	52.5°	7867.3	5546.3	1453.5	1139.8	1065.4	1079.5	1061.6	1019.2	958.0	907.1
9805.9	55°	8289.3	5824.2	1480.8	1071.0	995.7	1047.5	1037.1	958.9	885.5	844.0
10357.9	57.5°	8749.0	6158.6	1450.6	983.4	939.1	1010.7	971.2	884.5	842.1	811.0
11076.6	60°	9385.8	6683.3	1385.6	875.1	885.5	956.1	888.3	852.5	806.3	771.5
12154.2	62.5°	10443.6	7662.0	1281.1	767.7	822.3	875.1	848.7	812.9	765.8	731.9
13996.7	65°	12007.3	9022.2	1084.2	683.9	751.7	796.0	806.3	770.5	721.5	685.8
15611.3	67.5°	13326.1	9875.6	820.5	614.2	679.2	731.9	761.1	726.3	674.5	639.6
15989.0	70°	13253.5	9255.8	626.4	545.4	615.1	668.8	706.5	679.2	623.6	590.6
14523.3	72.5°	11771.8	7743.0	506.8	475.7	550.1	602.9	648.1	627.4	570.8	538.8
10639.6	75°	8648.2	5496.4	405.0	405.0	469.1	534.1	584.0	570.8	519.0	496.4
4466.8	77.5°	3645.4	2305.9	317.4	336.3	390.0	458.7	520.9	525.6	480.4	508.7
1181.2	80°	969.3	635.8	242.1	264.7	306.1	378.7	453.1	451.2	402.2	375.8
439.0	82.5°	369.3	250.6	172.4	186.5	221.4	290.1	358.9	370.2	321.2	277.9
172.4	85°	142.2	107.4	106.4	112.1	129.0	192.2	271.3	280.7	242.1	205.3
48.0	87.5°	36.7	32.0	39.6	37.7	59.3	102.7	155.4	161.1	147.9	85.7
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°
2602.7
2483.0
2301.2
2135.4
2035.6
2007.3
2029.9
2062.0
2062.0
2014.9
1927.3
1812.4
1679.5
1532.6
1403.5
1345.1
1259.4
1142.6
1046.5
982.5
935.4
908.1
840.2
808.2
769.6
731.9
687.6
640.5
593.4
538.8
489.8
461.6
349.5
277.9
211.9
122.5
0.0

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