

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: P847926

Luminaire Tested: **GLAN-SB4B-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847926
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-SB4B-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21600 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

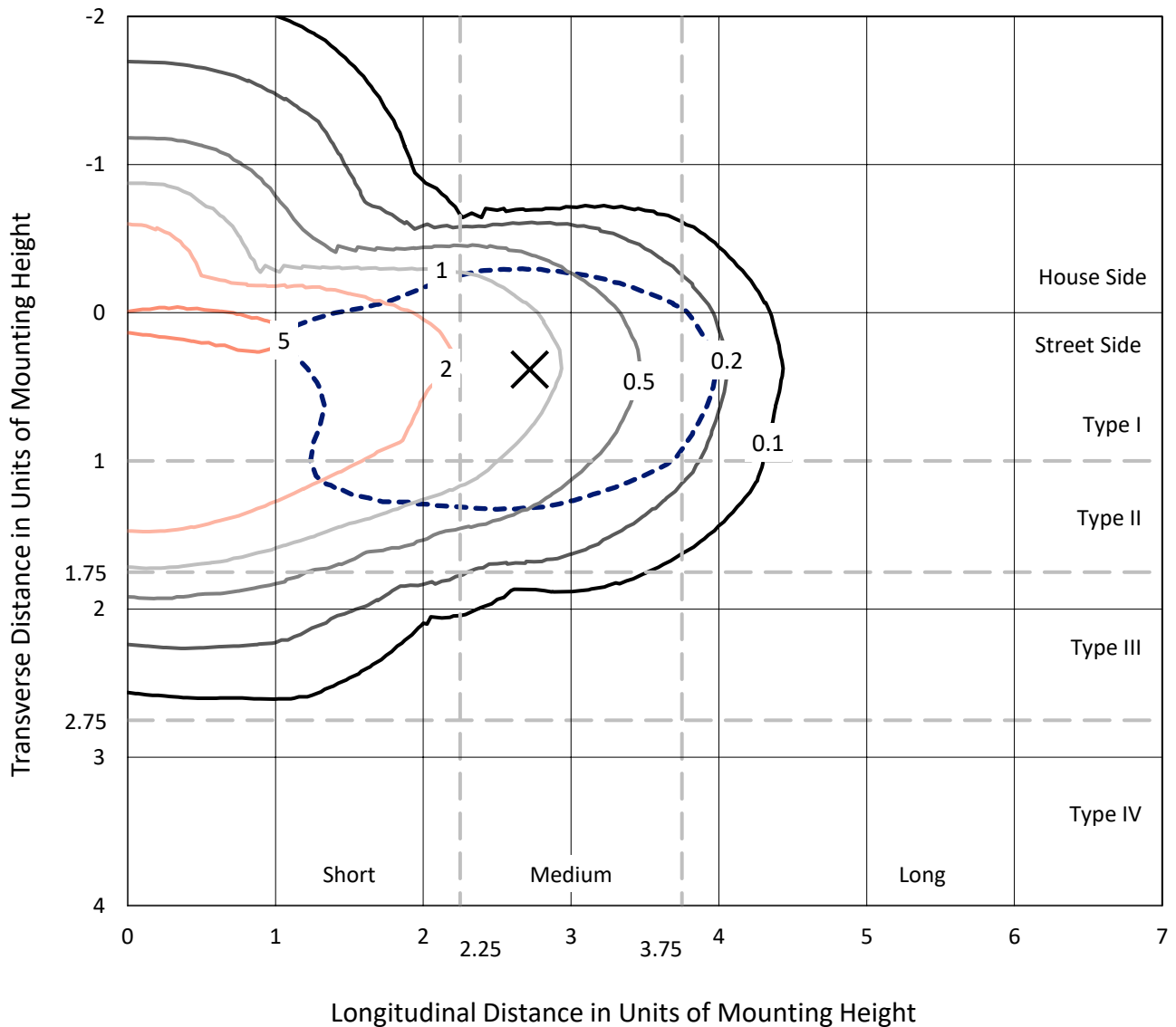
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

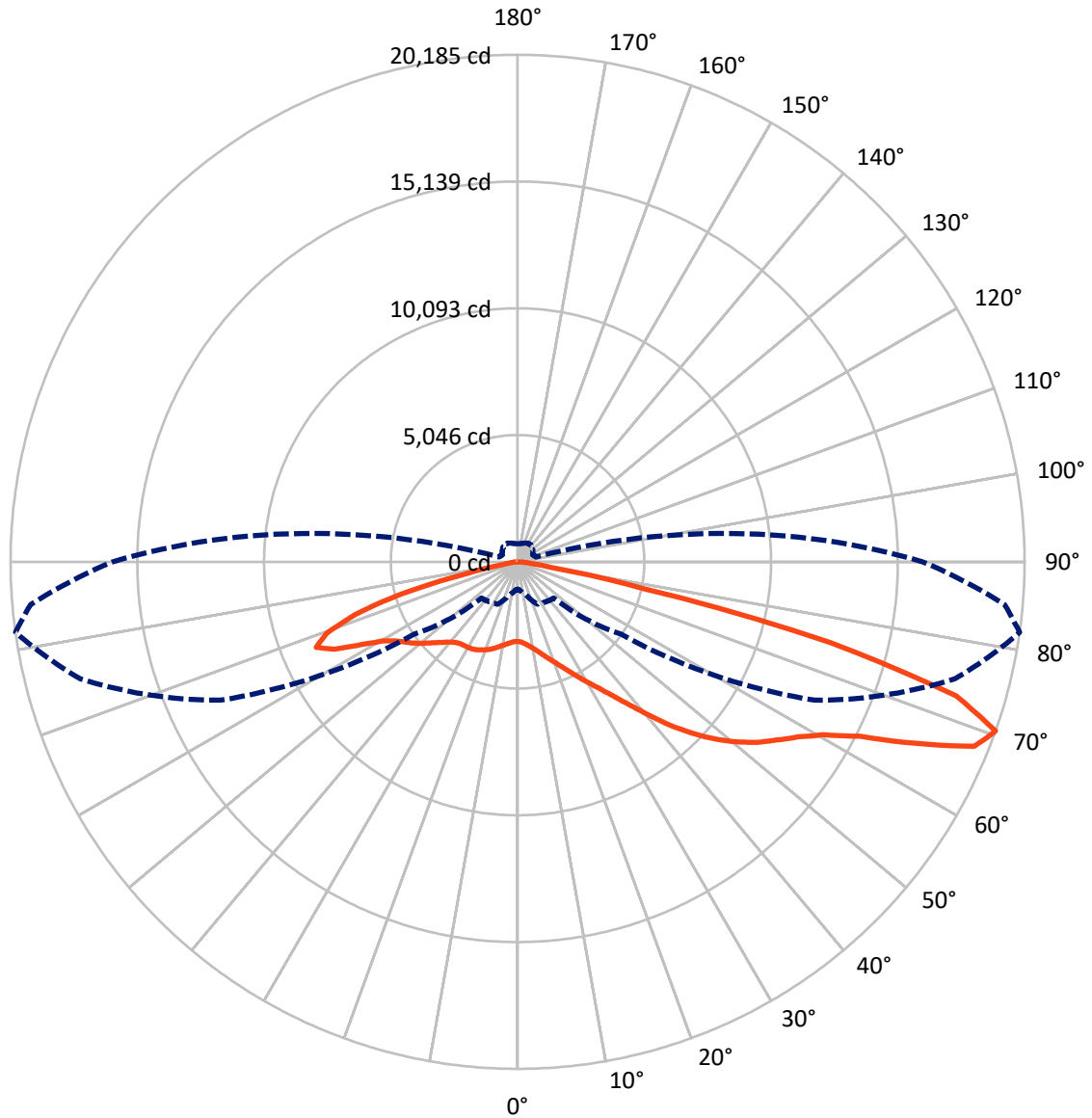
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	5324.9	0.0	5324.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16275.1	0.0	16275.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	21600.0	0.0	21600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.0	1.4
10°-20°	859.1	4.0
20°-30°	1437.1	6.7
30°-40°	2245.1	10.4
40°-50°	3575.7	16.6
50°-60°	4976.0	23.0
60°-70°	5205.1	24.1
70°-80°	2720.5	12.6
80°-90°	282.5	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°	21600.0	100.0
0°-180°	21600.0	100.0

Coefficient of Utilization



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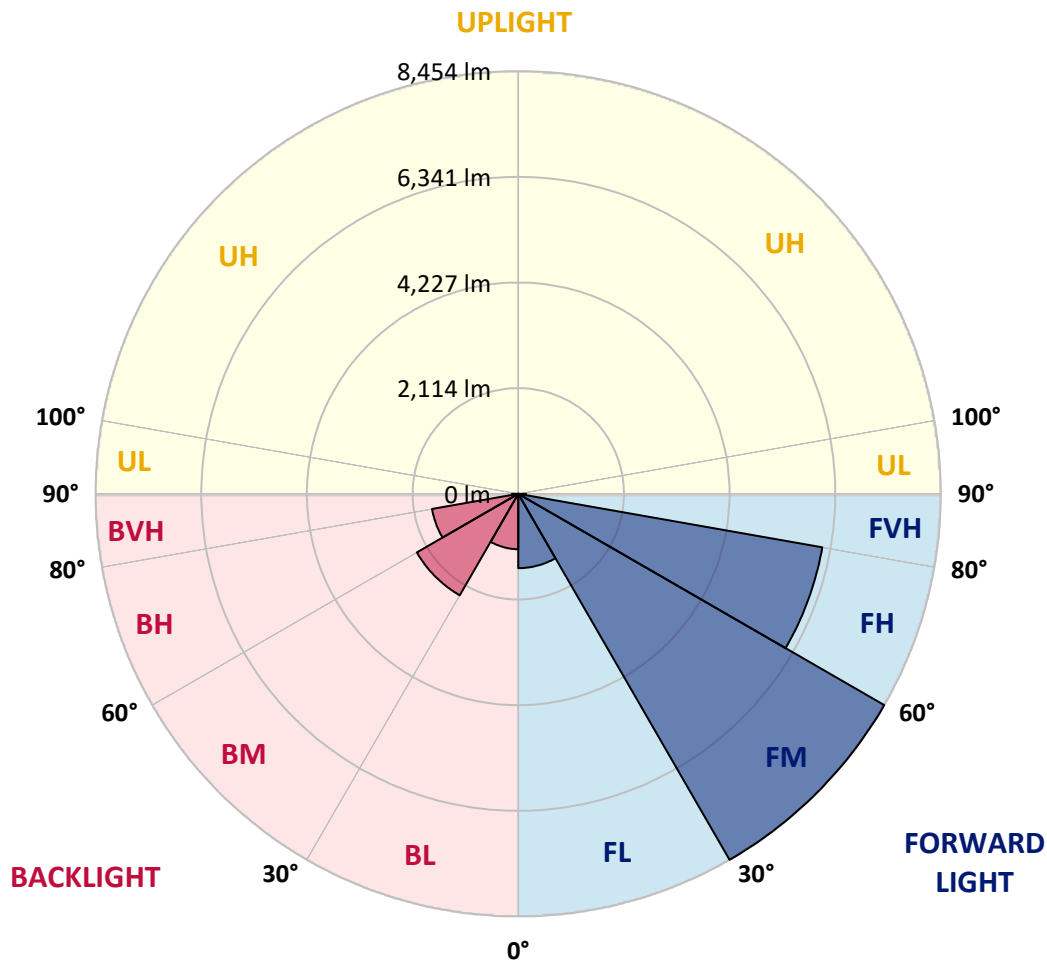
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1487.4	6.9			
FM (30°-60°)	8454.0	39.1			
FH (60°-80°)	6175.5	28.6			G3/7500
FVH (80°-90°)	158.1	0.7			G2/225
BL (0°-30°)	1107.8	5.1	B3/2500		
BM (30°-60°)	2342.8	10.8	B2/2500		
BH (60°-80°)	1750.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	124.3	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°	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8
2.5°	3242.5	3260.8	3255.1	3249.4	3249.4	3241.3	3240.2	3228.7	3219.6	3204.7
5°	3283.7	3303.2	3300.9	3305.5	3320.4	3323.9	3327.3	3320.4	3302.1	3283.7
7.5°	3247.1	3268.8	3275.7	3303.2	3349.1	3390.3	3421.3	3433.9	3416.7	3390.3
10°	3123.3	3147.3	3171.4	3236.7	3318.1	3415.5	3498.1	3547.4	3543.9	3518.7
12.5°	2872.3	2897.5	2949.1	3076.3	3225.3	3397.2	3550.8	3653.9	3689.5	3671.1
15°	2671.7	2693.5	2732.4	2863.1	3056.8	3318.1	3570.3	3770.9	3861.4	3851.1
17.5°	2666.0	2675.1	2699.2	2761.1	2910.1	3194.3	3549.6	3885.5	4058.5	4057.4
20°	2766.8	2770.3	2784.0	2796.6	2881.4	3100.4	3496.9	3980.6	4279.7	4279.7
22.5°	2906.7	2904.4	2918.1	2906.7	2947.9	3092.3	3463.7	4064.3	4526.2	4544.5
25°	3116.4	3104.9	3101.5	3075.1	3083.2	3166.8	3500.4	4159.4	4818.4	4856.3
27.5°	3396.1	3377.7	3365.1	3304.4	3283.7	3320.4	3612.7	4274.0	5143.9	5209.3
30°	3760.5	3727.3	3709.0	3603.5	3529.0	3534.7	3782.3	4426.5	5484.4	5589.8
32.5°	4258.0	4206.4	4157.1	3984.0	3847.6	3802.9	4001.2	4637.3	5853.4	6021.9
35°	4815.0	4773.7	4721.0	4454.0	4244.2	4141.1	4296.9	4931.9	6285.5	6552.6
37.5°	5351.4	5315.9	5341.1	4981.2	4710.7	4560.6	4684.3	5327.3	6818.5	7212.8
40°	5906.1	5878.6	5882.1	5538.2	5223.0	5054.5	5154.3	5823.6	7429.4	7997.9
42.5°	6509.0	6488.4	6419.6	6114.7	5760.6	5603.6	5695.3	6396.7	8085.0	8891.9
45°	7184.1	7171.5	7107.3	6757.7	6352.0	6175.5	6299.3	7029.4	8744.0	9733.2
47.5°	7767.5	7777.8	7769.8	7475.2	7054.6	6795.6	6943.4	7689.6	9357.2	10524.0
50°	8048.3	8102.2	8181.3	8089.6	7828.2	7564.6	7593.3	8326.8	9941.8	11265.6
52.5°	7901.6	8003.6	8219.1	8365.8	8466.7	8411.6	8334.8	8959.5	10491.9	11934.9
55°	7354.9	7498.2	7855.8	8209.9	8724.5	9124.6	9225.4	9661.0	11028.3	12524.1
57.5°	6358.9	6591.5	6912.5	7628.8	8495.3	9469.5	10263.8	10634.0	11596.8	13153.3
60°	4651.1	4962.9	5361.7	6427.6	7693.0	9285.0	11147.5	12128.6	12404.9	13968.2
62.5°	2976.6	3169.1	3535.9	4539.9	5994.4	8339.4	11418.0	13996.9	13774.5	15304.6
65°	2037.9	2161.7	2497.5	3061.4	3875.2	6207.6	10693.6	15397.5	15949.9	17422.7
67.5°	1480.8	1574.8	1861.4	2355.4	2525.0	3673.4	8298.2	15333.3	18064.6	19605.0
70°	1079.7	1146.2	1386.8	1861.4	1942.7	2043.6	5027.0	13034.1	18018.7	20185.0
72.5°	800.0	845.9	1007.5	1444.2	1572.5	1380.0	2488.3	9473.0	15483.4	18257.1
75°	578.8	613.2	732.4	1104.9	1258.5	1051.0	1241.3	5535.9	10800.2	12842.7
77.5°	442.4	468.8	546.7	809.2	1007.5	788.6	770.2	2546.8	5121.0	5146.2
80°	355.3	372.5	414.9	569.6	772.5	590.3	502.0	1028.1	1618.4	1369.7
82.5°	261.3	290.0	350.7	400.0	552.4	406.9	306.0	519.2	615.5	529.5
85°	149.0	168.5	212.0	286.5	353.0	248.7	175.4	230.4	286.5	235.0
87.5°	52.7	68.8	74.5	112.3	153.6	103.2	67.6	66.5	94.0	69.9
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°
3166.8	0°	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8	3166.8
3201.2	2.5°	3189.8	3184.0	3161.1	3130.2	3098.1	3067.1	3056.8	3035.0	3020.1	3012.1
3275.7	5°	3253.9	3235.6	3181.7	3113.0	3040.8	2962.8	2907.8	2857.4	2820.7	2786.3
3377.7	7.5°	3345.6	3313.5	3220.7	3100.4	2972.0	2842.5	2746.2	2672.8	2623.6	2591.5
3496.9	10°	3452.2	3402.9	3260.8	3080.9	2882.6	2696.9	2583.4	2520.4	2489.5	2472.3
3633.3	12.5°	3574.9	3504.9	3302.1	3036.2	2746.2	2534.2	2456.2	2437.9	2439.0	2440.2
3805.2	15°	3726.2	3628.7	3335.3	2938.7	2568.5	2409.2	2395.5	2425.3	2456.2	2471.1
4000.1	17.5°	3896.9	3759.4	3341.0	2778.3	2394.3	2329.0	2372.5	2436.7	2483.7	2504.4
4217.9	20°	4080.3	3892.3	3299.8	2551.3	2251.1	2263.7	2341.6	2424.1	2475.7	2502.1
4466.6	22.5°	4290.1	4034.5	3201.2	2312.9	2134.1	2192.6	2284.3	2364.5	2418.4	2444.8
4758.8	25°	4529.6	4193.8	3046.5	2112.4	2033.3	2112.4	2204.1	2270.5	2314.1	2338.2
5085.5	27.5°	4795.5	4360.0	2840.2	1953.1	1945.0	2029.8	2105.5	2157.1	2180.0	2198.3
5432.8	30°	5062.6	4511.3	2590.3	1832.7	1868.2	1948.5	2002.3	2025.3	2032.1	2035.6
5820.2	32.5°	5351.4	4641.9	2327.8	1733.0	1794.9	1869.4	1901.5	1911.8	1879.7	1857.9
6290.1	35°	5701.0	4781.8	2071.1	1653.9	1722.7	1786.9	1797.2	1788.0	1750.2	1705.5
6879.2	37.5°	6133.1	4956.0	1865.9	1597.7	1655.0	1697.5	1684.8	1682.6	1686.0	1633.3
7587.6	40°	6662.6	5182.9	1715.8	1554.2	1600.0	1609.2	1573.7	1593.2	1610.3	1530.1
8364.6	42.5°	7250.6	5456.9	1620.7	1524.4	1554.2	1532.4	1477.4	1499.2	1496.9	1391.4
9145.2	45°	7850.0	5754.9	1587.4	1502.6	1511.8	1468.2	1407.5	1413.2	1365.1	1269.9
9893.6	47.5°	8446.0	6074.6	1608.1	1484.3	1459.1	1409.8	1362.8	1337.6	1266.5	1195.4
10611.1	50°	9030.6	6410.5	1683.7	1447.6	1386.8	1358.2	1323.8	1279.1	1203.5	1142.7
11289.6	52.5°	9572.7	6748.6	1768.5	1386.8	1296.3	1313.5	1291.7	1240.1	1165.6	1103.7
11931.5	55°	10086.2	7086.7	1801.8	1303.2	1211.5	1274.5	1261.9	1166.8	1077.4	1027.0
12603.1	57.5°	10645.5	7493.6	1765.1	1196.6	1142.7	1229.8	1181.7	1076.2	1024.7	986.8
13477.7	60°	11420.3	8132.0	1686.0	1064.8	1077.4	1163.3	1080.8	1037.3	981.1	938.7
14788.9	62.5°	12707.4	9322.8	1558.8	934.1	1000.6	1064.8	1032.7	989.1	931.8	890.6
17030.7	65°	14610.1	10977.9	1319.2	832.1	914.6	968.5	981.1	937.6	878.0	834.4
18995.2	67.5°	16214.7	12016.3	998.3	747.3	826.4	890.6	926.1	883.7	820.6	778.2
19454.9	70°	16126.4	11262.1	762.2	663.6	748.4	813.8	859.6	826.4	758.8	718.6
17671.4	72.5°	14323.5	9421.4	616.6	578.8	669.4	733.5	788.6	763.3	694.6	655.6
12945.8	75°	10522.9	6687.8	492.8	492.8	570.8	649.9	710.6	694.6	631.5	604.0
5435.1	77.5°	4435.6	2805.8	386.3	409.2	474.5	558.2	633.8	639.6	584.5	618.9
1437.3	80°	1179.4	773.7	294.6	322.1	372.5	460.8	551.3	549.0	489.4	457.3
534.1	82.5°	449.3	304.9	209.7	226.9	269.3	353.0	436.7	450.4	390.8	338.1
209.7	85°	173.1	130.7	129.5	136.4	157.0	233.8	330.1	341.6	294.6	249.9
58.5	87.5°	44.7	39.0	48.1	45.8	72.2	124.9	189.1	196.0	179.9	104.3
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°
3166.8
3021.3
2800.1
2598.3
2476.8
2442.5
2470.0
2508.9
2508.9
2451.6
2345.0
2205.2
2043.6
1864.8
1707.8
1636.7
1532.4
1390.3
1273.4
1195.4
1138.1
1104.9
1022.4
983.4
936.4
890.6
836.7
779.4
722.1
655.6
596.0
561.6
425.2
338.1
257.9
149.0
0.0

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