

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: P848075

Luminaire Tested: **GLAN-SB4C-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17139 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

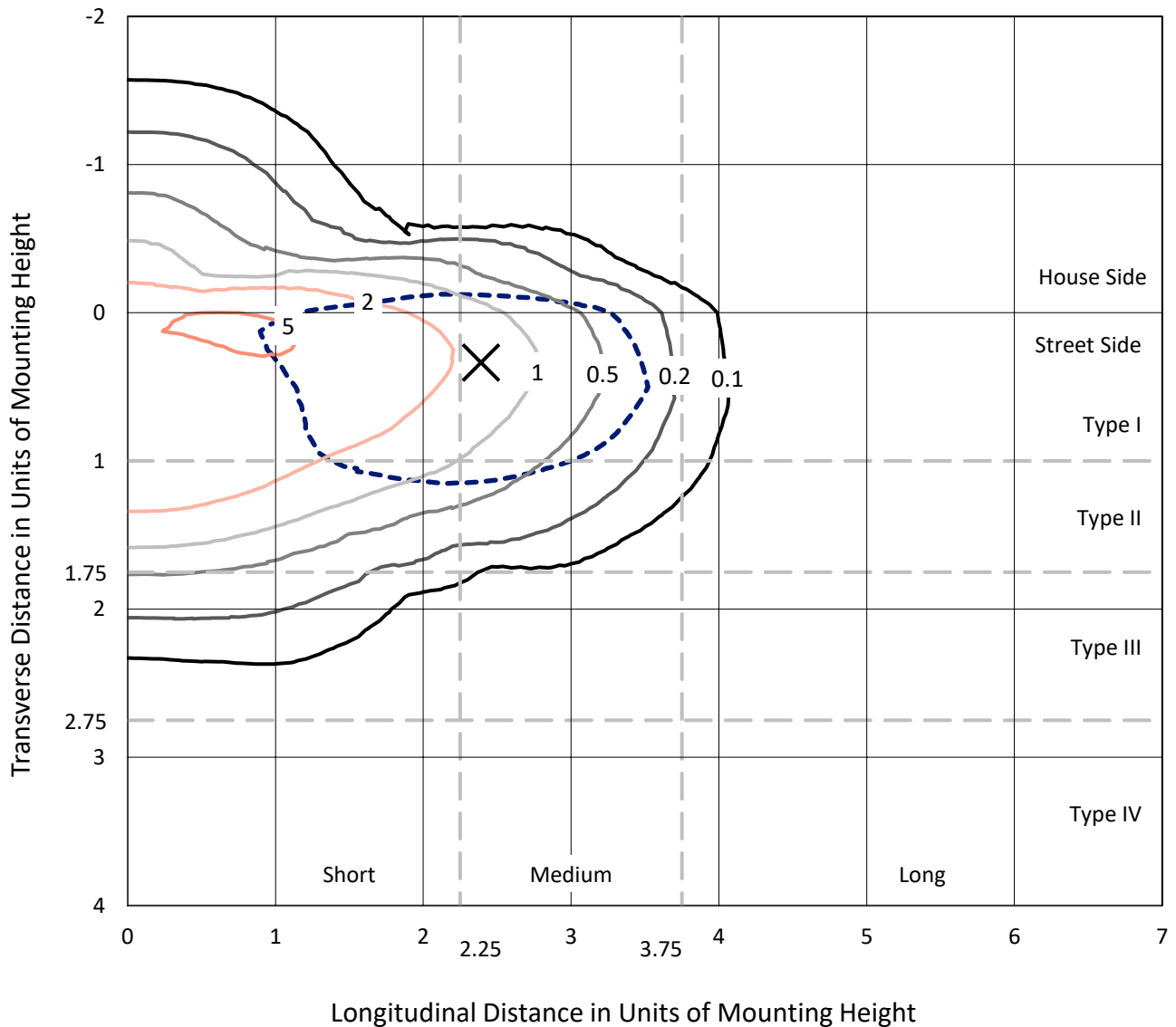
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

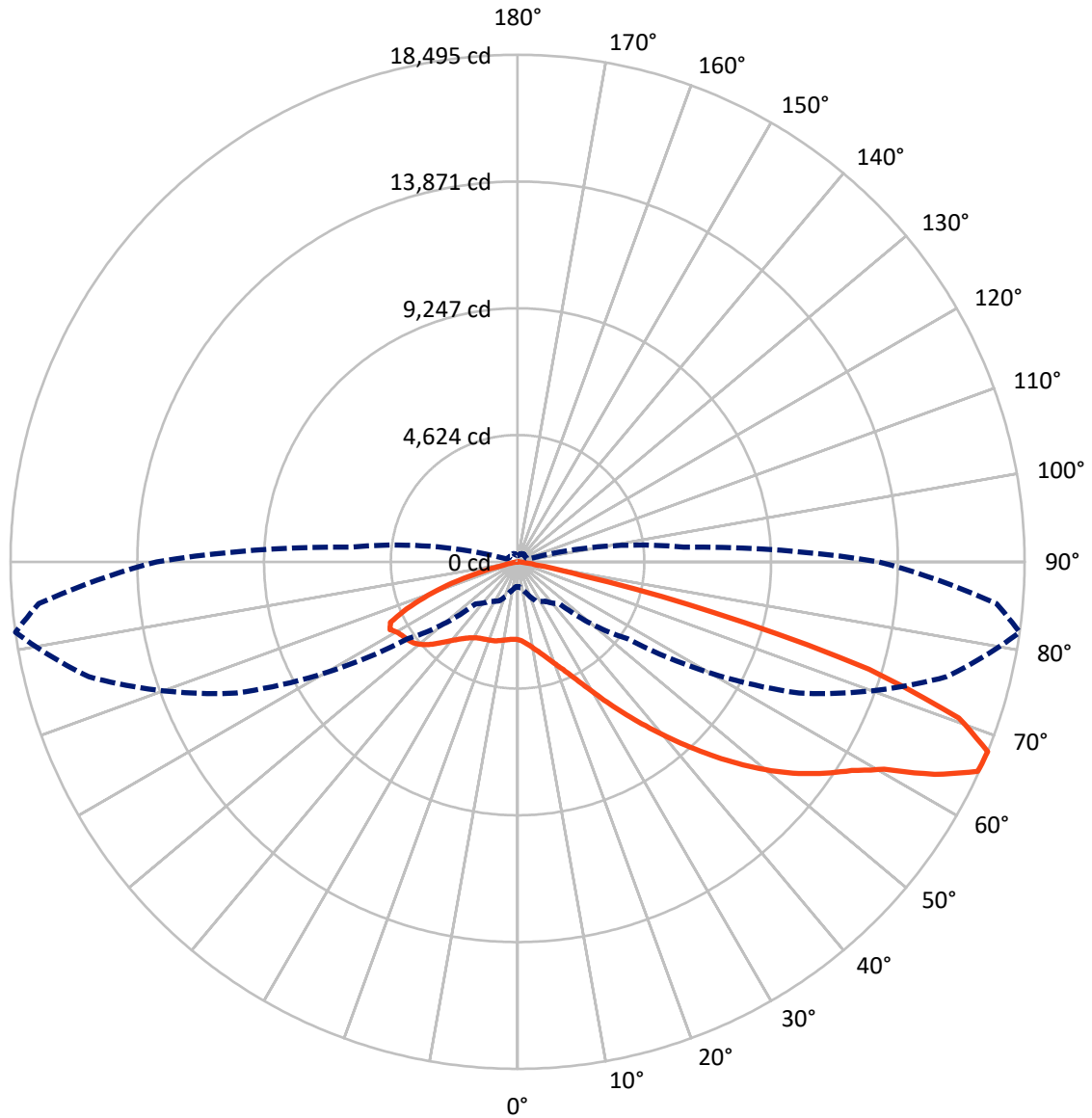
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3104.6	0.0	3104.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14034.4	0.0	14034.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	17139.0	0.0	17139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.0	1.5
10°-20°	657.4	3.8
20°-30°	1052.9	6.1
30°-40°	1861.8	10.9
40°-50°	3262.1	19.0
50°-60°	4350.7	25.4
60°-70°	4050.3	23.6
70°-80°	1554.5	9.1
80°-90°	96.5	0.6
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°	17139.0	100.0
0°-180°	17139.0	100.0

Coefficient of Utilization

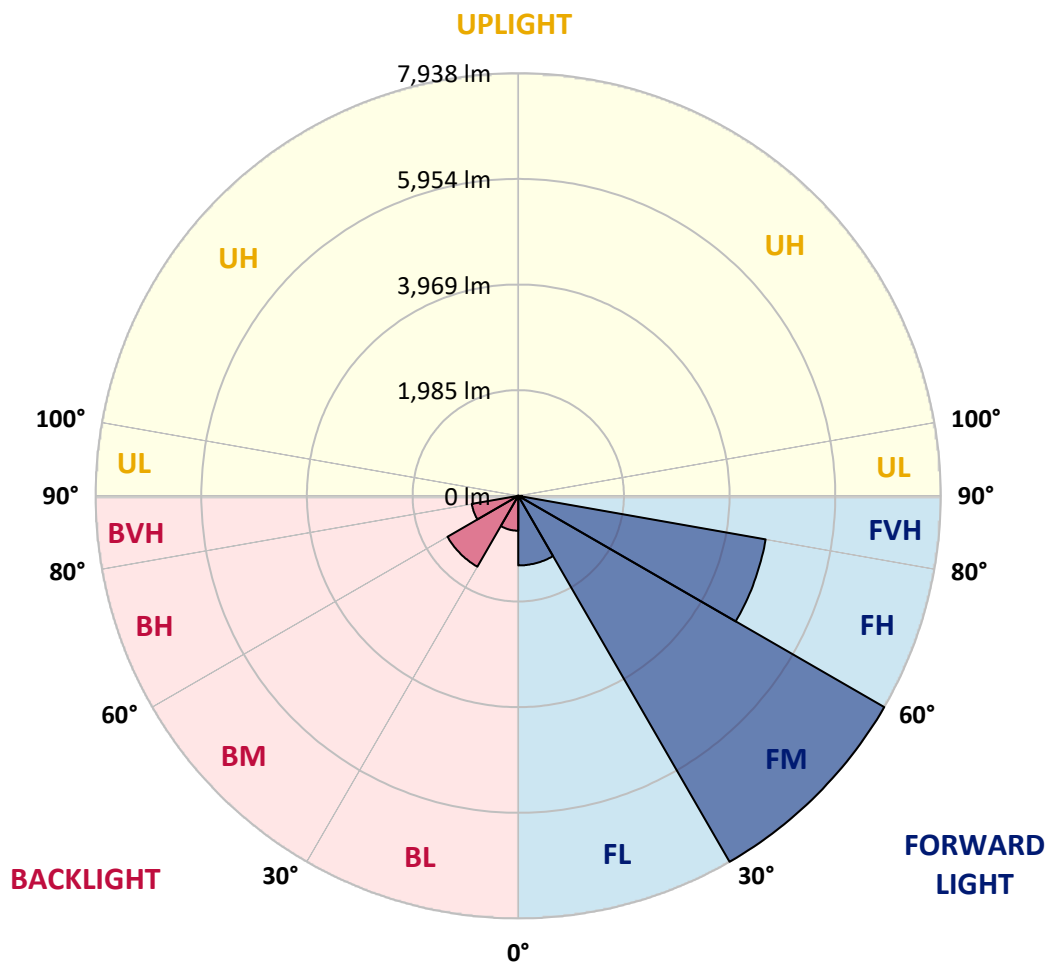


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1307.5	7.6			
FM (30°-60°)	7938.1	46.3			
FH (60°-80°)	4718.6	27.5			G2/5000
FVH (80°-90°)	70.2	0.4			G1/100
BL (0°-30°)	655.7	3.8	B2/1000		
BM (30°-60°)	1536.4	9.0	B2/2500		
BH (60°-80°)	886.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4
2.5°	3001.0	3018.3	3008.4	3003.5	2994.8	2982.5	2972.6	2941.8	2909.7	2888.7
5°	3061.5	3078.7	3077.5	3082.4	3088.6	3092.3	3089.8	3055.3	3009.6	2973.9
7.5°	3009.6	3029.4	3045.4	3070.1	3113.3	3158.9	3181.2	3173.8	3126.9	3077.5
10°	2862.8	2883.8	2922.0	2980.0	3071.3	3170.1	3252.7	3291.0	3261.4	3207.1
12.5°	2593.8	2614.8	2690.0	2815.9	2968.9	3140.4	3298.4	3400.8	3408.2	3353.9
15°	2291.5	2312.4	2392.7	2550.6	2783.8	3059.0	3323.1	3516.8	3582.2	3535.3
17.5°	2103.9	2122.4	2182.9	2310.0	2553.1	2896.1	3314.4	3640.2	3789.5	3752.5
20°	2047.1	2063.2	2091.6	2180.4	2382.8	2727.1	3257.7	3756.2	4012.9	3991.9
22.5°	2107.6	2122.4	2131.1	2170.5	2297.6	2616.0	3186.1	3874.6	4272.0	4274.5
25°	2247.0	2261.9	2252.0	2276.7	2332.2	2581.5	3158.9	4014.1	4597.8	4624.9
27.5°	2476.6	2477.8	2454.4	2453.1	2461.8	2633.3	3187.3	4163.4	5008.7	5059.3
30°	2936.8	2918.3	2828.2	2730.8	2686.3	2788.8	3266.3	4339.9	5493.6	5583.7
32.5°	3646.4	3619.2	3453.9	3220.6	2986.2	3039.3	3408.2	4541.0	6021.7	6184.6
35°	4416.4	4409.0	4236.2	3889.5	3479.8	3395.9	3639.0	4805.1	6598.0	6857.1
37.5°	5132.1	5128.4	5029.6	4621.2	4122.7	3893.2	4009.2	5150.6	7215.0	7590.1
40°	5786.1	5797.2	5698.4	5333.2	4831.0	4531.1	4512.6	5577.5	7901.1	8388.5
42.5°	6351.2	6363.6	6263.6	5993.4	5530.6	5236.9	5130.8	6100.7	8571.1	9246.1
45°	6735.0	6811.5	6796.7	6580.7	6248.8	5944.0	5873.7	6757.2	9334.9	10155.5
47.5°	6843.6	6913.9	7025.0	7054.6	6852.2	6552.4	6636.3	7548.2	10107.4	11066.2
50°	6575.8	6641.2	6871.9	7179.2	7319.9	7227.3	7377.9	8395.9	10898.4	11974.4
52.5°	6047.7	6114.3	6405.5	6891.7	7465.5	7756.7	8122.0	9231.3	11664.7	12834.5
55°	5283.8	5354.2	5728.1	6278.4	7187.8	7975.1	8742.6	10065.4	12366.8	13608.2
57.5°	4244.8	4296.7	4685.4	5455.4	6489.4	7757.9	9200.4	10976.1	13028.2	14368.3
60°	2766.5	2812.2	3263.8	4122.7	5332.0	7032.4	9291.8	11991.7	13906.8	15356.7
62.5°	1839.8	1870.7	2138.5	2769.0	3755.0	5639.2	8757.4	12802.4	15195.0	17076.8
65°	1262.3	1293.2	1561.0	2000.3	2426.0	3730.3	7221.2	12695.0	16362.4	18442.8
67.5°	900.8	926.7	1153.8	1568.4	1755.9	2166.8	4895.1	11322.9	16194.5	18494.7
70°	645.4	660.2	847.7	1221.6	1395.6	1301.8	2722.1	8660.0	14179.5	17078.1
72.5°	451.6	456.6	588.6	930.4	1124.1	950.2	1295.7	5773.7	10724.4	13404.6
75°	306.0	312.2	396.1	682.4	902.0	725.6	686.1	3096.0	6295.7	7419.8
77.5°	187.6	190.0	255.4	466.4	675.0	552.8	441.8	1311.7	2435.8	2391.4
80°	106.1	106.1	162.9	290.0	460.3	356.6	309.7	557.8	771.2	677.4
82.5°	59.2	60.5	118.5	180.2	304.8	211.0	170.3	257.9	333.2	294.9
85°	24.7	27.1	72.8	85.1	145.6	104.9	69.1	108.6	123.4	109.8
87.5°	2.5	3.7	22.2	16.0	17.3	21.0	9.9	21.0	17.3	17.3
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°
2839.4	0°	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4	2839.4
2881.3	2.5°	2857.9	2839.4	2792.5	2738.2	2666.6	2632.0	2585.2	2553.1	2525.9	2528.4
2952.9	5°	2913.4	2866.5	2761.6	2630.8	2467.9	2351.9	2228.5	2143.4	2074.3	2059.5
3051.6	7.5°	2989.9	2915.9	2732.0	2496.3	2221.1	2012.6	1826.3	1706.6	1621.4	1594.3
3171.3	10°	3088.6	2981.3	2693.7	2327.3	1931.2	1665.9	1465.9	1372.2	1314.2	1294.4
3312.0	12.5°	3203.4	3056.5	2643.2	2121.2	1632.5	1377.1	1250.0	1203.1	1184.6	1178.4
3484.7	15°	3347.7	3150.3	2566.6	1876.9	1379.6	1200.6	1146.4	1140.2	1142.7	1140.2
3692.0	17.5°	3519.3	3252.7	2442.0	1625.1	1209.3	1110.6	1090.8	1095.8	1101.9	1100.7
3924.0	20°	3706.8	3353.9	2282.8	1401.8	1093.3	1046.4	1035.3	1040.2	1045.2	1042.7
4191.8	22.5°	3920.3	3462.5	2106.4	1227.8	1015.6	987.2	974.8	976.1	976.1	971.1
4531.1	25°	4175.7	3582.2	1921.3	1104.4	956.3	934.1	919.3	914.4	907.0	892.2
4943.3	27.5°	4480.5	3709.3	1743.6	1018.0	909.4	888.5	871.2	858.8	840.3	815.7
5438.1	30°	4823.6	3863.5	1593.0	963.7	872.4	851.4	831.7	813.2	786.0	755.2
6006.9	32.5°	5227.1	4028.9	1483.2	927.9	839.1	816.9	793.4	771.2	741.6	710.8
6646.1	35°	5708.3	4228.8	1419.1	903.3	813.2	783.6	757.7	733.0	710.8	683.6
7340.9	37.5°	6230.3	4441.0	1399.3	890.9	795.9	750.3	720.6	703.4	700.9	684.9
8092.3	40°	6801.6	4692.8	1414.1	883.5	777.4	718.2	686.1	682.4	688.6	660.2
8895.7	42.5°	7406.3	4991.4	1438.8	874.9	751.5	686.1	655.2	655.2	650.3	610.8
9744.6	45°	8060.3	5335.7	1463.5	853.9	720.6	654.0	630.6	621.9	600.9	562.7
10598.5	47.5°	8719.2	5686.1	1482.0	815.7	683.6	626.9	605.9	586.1	555.3	520.7
11436.4	50°	9344.8	6000.8	1462.2	758.9	641.7	600.9	578.7	551.6	518.3	494.8
12229.8	52.5°	9903.8	6273.5	1378.3	692.3	597.2	573.8	554.1	525.7	498.5	473.8
12945.5	55°	10390.0	6494.4	1230.3	629.3	557.8	550.3	530.6	494.8	457.8	436.8
13655.1	57.5°	10856.4	6662.2	1045.2	577.5	522.0	524.4	494.8	462.7	428.2	406.0
14611.4	60°	11477.1	6886.8	857.6	529.4	483.7	491.1	459.0	435.6	392.4	364.0
16251.3	62.5°	12469.2	7236.0	681.1	470.1	439.3	441.8	428.2	399.8	348.0	314.7
17466.8	65°	13256.5	7107.6	536.8	406.0	388.7	392.4	392.4	361.6	306.0	267.8
17532.2	67.5°	13167.6	6085.9	428.2	343.0	340.6	343.0	351.7	325.8	271.5	240.6
16197.0	70°	12129.9	4840.8	343.0	285.0	296.2	290.0	314.7	297.4	244.3	213.5
12556.8	72.5°	9897.6	3487.2	261.6	235.7	227.0	236.9	283.8	267.8	203.6	169.1
6651.1	75°	5783.6	1860.8	195.0	186.3	164.1	197.4	251.7	228.3	155.5	124.6
2038.5	77.5°	1883.0	649.1	143.1	137.0	122.2	159.2	214.7	192.5	127.1	98.7
597.2	80°	504.7	196.2	97.5	90.1	79.0	118.5	170.3	153.0	91.3	64.2
256.7	82.5°	202.4	82.7	56.8	50.6	43.2	81.4	134.5	123.4	67.9	40.7
80.2	85°	65.4	27.1	21.0	16.0	19.7	50.6	80.2	83.9	48.1	21.0
12.3	87.5°	8.6	3.7	3.7	4.9	3.7	8.6	24.7	23.4	13.6	2.5
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

<u>180°</u>
2839.4
2503.7
2026.2
1567.1
1279.6
1174.7
1138.9
1098.2
1041.5
968.7
889.7
813.2
752.7
712.0
681.1
683.6
661.4
610.8
561.5
519.5
491.1
471.4
434.4
403.5
360.3
312.2
264.1
235.7
209.8
165.4
120.9
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62.9
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