

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: P852732

Luminaire Tested: **GLAN-SB6A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19895 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

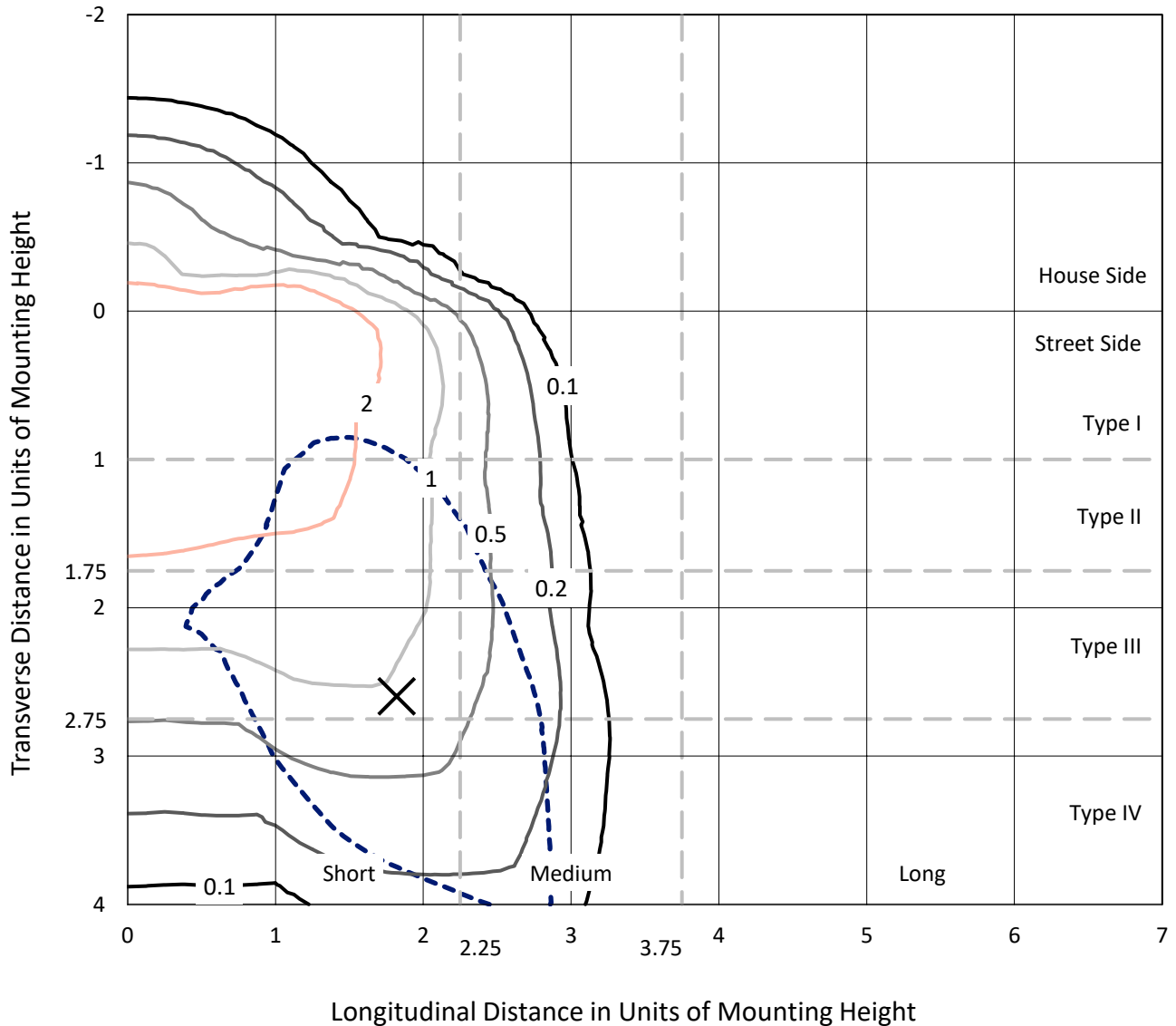
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

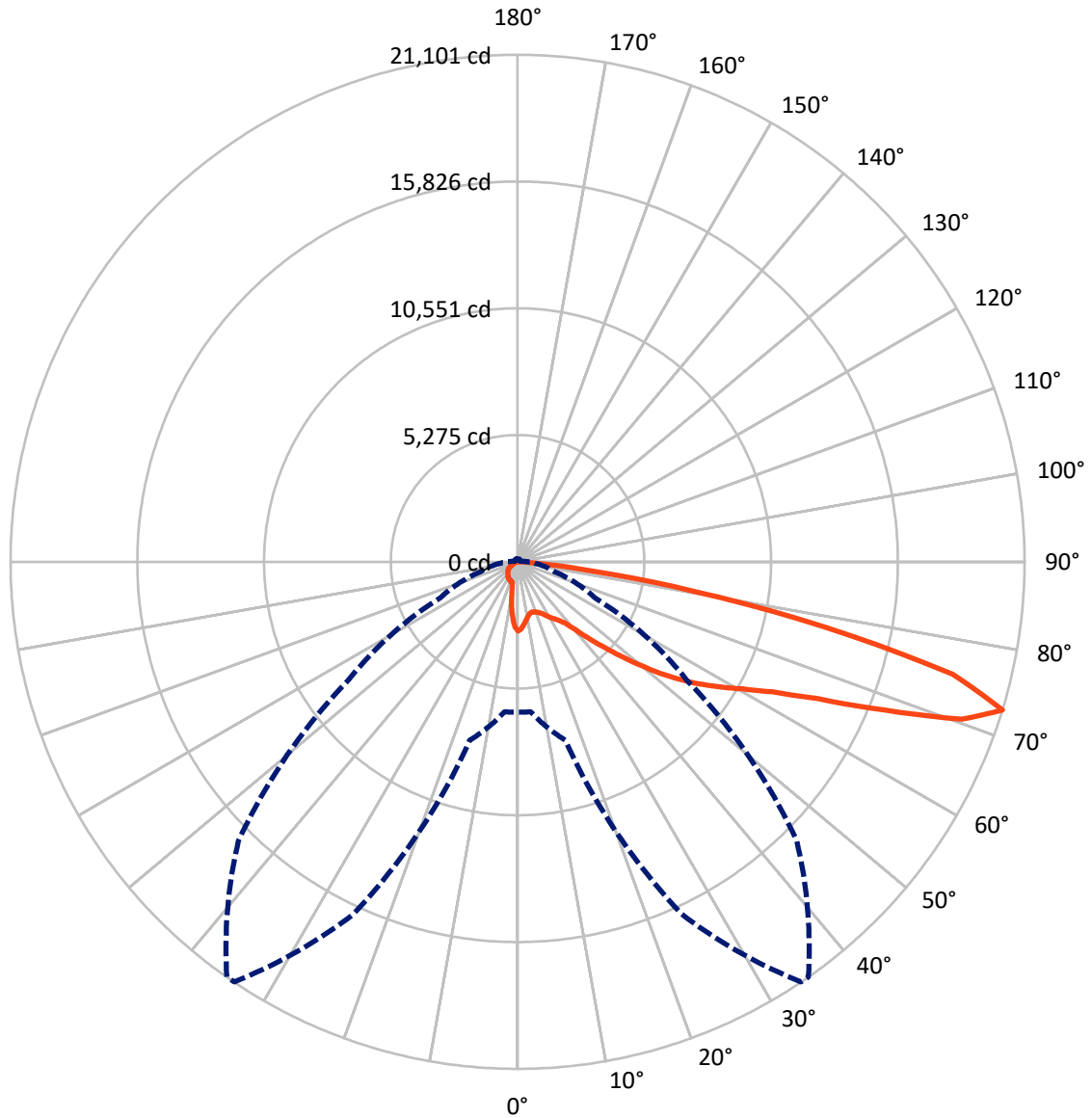
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2239.1	0.0	2239.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17655.9	0.0	17655.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	19895.0	0.0	19895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	1.2
10°-20°	554.3	2.8
20°-30°	900.4	4.5
30°-40°	1502.4	7.6
40°-50°	2842.6	14.3
50°-60°	4516.8	22.7
60°-70°	5587.6	28.1
70°-80°	3473.3	17.5
80°-90°	280.7	1.4
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°	19895.0	100.0
0°-180°	19895.0	100.0

Coefficient of Utilization

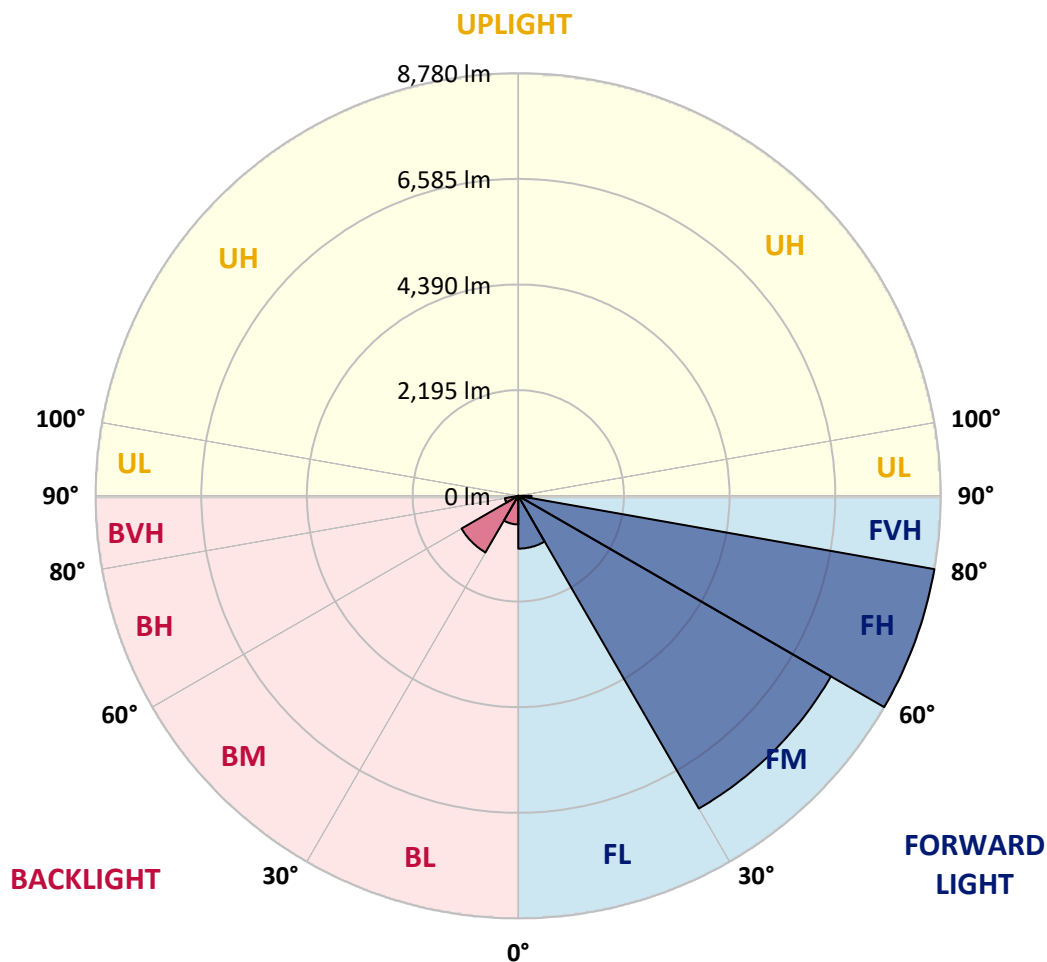


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1096.7	5.5			
FM	(30°-60°)	7502.4	37.7			
FH	(60°-80°)	8779.9	44.1			G4/12000
FVH	(80°-90°)	276.9	1.4			G3/500
BL	(0°-30°)	595.0	3.0	B2/1000		
BM	(30°-60°)	1359.3	6.8	B2/2500		
BH	(60°-80°)	281.0	1.4	B1/500		G1/500
BVH	(80°-90°)	3.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5
2.5°	2755.2	2778.5	2782.9	2790.2	2790.2	2798.9	2813.5	2833.9	2867.4	2884.9
5°	2539.4	2556.9	2578.8	2596.3	2629.8	2634.2	2691.0	2746.4	2823.7	2882.0
7.5°	2322.2	2342.6	2371.8	2414.1	2457.8	2470.9	2556.9	2650.2	2772.7	2882.0
10°	2169.1	2170.6	2196.8	2239.1	2309.1	2325.1	2430.1	2562.7	2715.8	2864.5
12.5°	2083.1	2093.3	2105.0	2137.1	2204.1	2214.3	2326.6	2482.6	2659.0	2854.3
15°	2083.1	2090.4	2097.7	2113.8	2167.7	2176.4	2275.6	2431.5	2629.8	2858.7
17.5°	2105.0	2116.7	2110.8	2129.8	2186.6	2192.5	2279.9	2417.0	2628.3	2886.4
20°	2157.5	2166.2	2154.6	2166.2	2223.1	2234.7	2325.1	2444.7	2653.1	2934.5
22.5°	2240.6	2245.0	2217.3	2226.0	2284.3	2298.9	2403.8	2523.4	2712.9	3011.7
25°	2345.5	2354.3	2312.0	2322.2	2377.6	2395.1	2516.1	2641.5	2807.6	3118.2
27.5°	2466.5	2470.9	2434.5	2433.0	2504.4	2529.2	2651.7	2787.2	2934.5	3252.3
30°	2605.0	2618.1	2583.2	2577.3	2667.7	2688.1	2809.1	2966.5	3121.1	3453.4
32.5°	2714.4	2724.6	2704.1	2718.7	2810.6	2826.6	3000.1	3220.2	3414.1	3739.2
35°	2871.8	2877.6	2831.0	2857.2	2962.2	3003.0	3261.0	3575.9	3782.9	4097.8
37.5°	3441.8	3441.8	3243.5	3113.8	3214.4	3250.8	3618.2	4023.4	4237.7	4578.8
40°	4230.4	4217.3	3927.2	3661.9	3648.8	3720.2	4126.9	4587.6	4825.2	5156.1
42.5°	5071.6	5051.1	4656.1	4393.7	4350.0	4374.7	4714.4	5282.9	5524.9	5860.2
45°	5817.9	5812.1	5450.6	5097.8	5019.1	5097.8	5447.7	6096.4	6269.8	6622.6
47.5°	6443.3	6443.3	6179.5	5949.1	5908.3	5955.0	6440.4	6998.7	6982.7	7434.6
50°	7163.4	7157.6	6906.9	6807.7	6850.0	6915.6	7583.3	7949.2	7720.3	8232.0
52.5°	7667.8	7702.8	7616.8	7600.8	7816.5	7930.2	8743.7	8879.2	8380.7	8988.6
55°	8067.3	8108.1	8207.2	8319.4	8734.9	8883.6	9867.6	9761.2	8933.2	9644.6
57.5°	8632.9	8574.6	8727.6	8949.2	9621.2	9800.5	10956.5	10593.6	9377.8	10176.6
60°	9319.5	9328.2	9354.5	9634.3	10506.1	10736.4	12029.4	11380.7	9663.5	10503.2
62.5°	10144.6	10157.7	10211.6	10641.7	11694.2	11911.4	13172.3	12025.1	9794.7	10411.3
65°	10087.7	10143.1	10745.2	12216.0	13500.3	13714.6	14506.2	12477.0	9596.4	9571.7
67.5°	9189.7	9280.1	10287.4	14096.6	16223.4	16462.5	16118.5	12565.9	8740.7	7443.3
70°	8011.9	8043.9	9255.3	15787.6	19376.6	19618.6	17561.7	11587.7	6632.8	4151.7
72.5°	6256.7	6264.0	7685.3	16179.7	21088.0	21101.1	16429.0	8602.3	3567.1	1594.8
75°	4469.5	4425.8	5147.4	13121.3	18552.9	18701.6	12316.6	4035.1	1363.0	753.7
77.5°	2396.6	2444.7	2912.6	7781.5	12816.6	13070.3	6720.3	1163.3	693.9	513.1
80°	740.5	781.4	1193.9	3562.8	7259.7	7412.7	2491.3	517.5	484.0	365.9
82.5°	233.2	242.0	556.9	1497.1	3013.2	3083.2	721.6	293.0	330.9	242.0
85°	67.1	68.5	247.8	558.3	744.9	759.5	202.6	113.7	189.5	150.1
87.5°	7.3	23.3	93.3	93.3	65.6	64.1	21.9	24.8	53.9	19.0
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°
2883.5	0°	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5	2883.5
2896.6	2.5°	2889.3	2890.7	2871.8	2839.7	2804.7	2775.6	2739.1	2710.0	2689.6	2683.7
2922.8	5°	2909.7	2899.5	2845.6	2747.9	2631.3	2530.7	2418.4	2329.5	2271.2	2246.4
2950.5	7.5°	2940.3	2911.2	2793.1	2600.6	2377.6	2179.4	1978.2	1822.2	1723.1	1673.5
2976.7	10°	2966.5	2908.2	2705.6	2387.8	2046.7	1746.4	1475.3	1287.2	1182.2	1132.7
3007.4	12.5°	2991.3	2906.8	2591.9	2135.6	1673.5	1306.2	1054.0	960.7	931.5	921.3
3056.9	15°	3038.0	2911.2	2449.0	1847.0	1301.8	986.9	895.1	893.6	899.4	896.5
3132.7	17.5°	3102.1	2915.5	2287.2	1540.9	1004.4	870.3	865.9	879.0	887.8	883.4
3227.5	20°	3185.2	2933.0	2115.2	1237.6	863.0	841.1	851.3	863.0	870.3	863.0
3354.3	22.5°	3301.8	2963.6	1927.2	994.2	817.8	823.6	832.4	845.5	852.8	842.6
3516.1	25°	3444.7	3011.7	1742.0	864.5	795.9	803.2	816.3	830.9	839.7	829.5
3720.2	27.5°	3629.8	3089.0	1571.5	835.3	774.1	778.4	797.4	819.3	830.9	817.8
4010.3	30°	3898.1	3215.8	1424.2	848.4	761.0	750.7	777.0	807.6	820.7	809.1
4405.4	32.5°	4253.7	3395.1	1333.9	868.8	755.1	718.7	743.5	782.8	804.7	797.4
4921.4	35°	4720.2	3667.7	1298.9	892.2	750.7	685.1	702.6	744.9	782.8	790.1
5571.6	37.5°	5285.8	4046.7	1309.1	902.4	737.6	657.5	666.2	702.6	752.2	775.5
6303.4	40°	5928.7	4488.4	1367.4	892.2	723.0	634.1	635.6	663.3	707.0	742.0
7090.6	42.5°	6592.0	5004.5	1475.3	854.2	709.9	613.7	609.3	628.3	657.5	682.2
7876.3	45°	7223.2	5535.1	1581.7	801.8	693.9	593.3	583.1	590.4	596.2	606.4
8641.6	47.5°	7774.2	5908.3	1551.1	753.7	672.0	570.0	552.5	549.6	532.1	530.6
9325.3	50°	8154.7	5989.9	1377.6	705.6	640.0	543.7	516.0	498.6	467.9	453.4
9837.0	52.5°	8275.7	5667.8	1125.4	657.5	587.5	508.8	469.4	441.7	403.8	390.7
10131.4	55°	8115.4	5036.6	899.4	599.1	514.6	462.1	418.4	381.9	351.3	335.3
10163.5	57.5°	7723.2	4233.3	711.4	530.6	437.3	409.6	365.9	329.5	303.2	287.2
9807.8	60°	7073.1	3361.6	562.7	449.0	373.2	352.8	307.6	284.3	260.9	242.0
8889.4	62.5°	6086.2	2399.5	441.7	355.7	312.0	288.6	262.4	244.9	217.2	191.0
7237.8	65°	4749.4	1468.0	341.1	260.9	250.7	239.1	223.0	207.0	173.5	147.2
4721.7	67.5°	2995.7	695.4	243.4	196.8	198.3	192.4	185.1	172.0	147.2	123.9
2115.2	70°	1319.3	336.7	160.4	150.1	147.2	147.2	153.1	148.7	125.4	103.5
734.7	72.5°	449.0	180.8	119.5	113.7	106.4	105.0	128.3	123.9	100.6	80.2
365.9	75°	234.7	121.0	87.5	81.6	64.1	77.3	102.0	96.2	71.4	52.5
242.0	77.5°	153.1	86.0	59.8	52.5	36.4	51.0	75.8	67.1	42.3	26.2
158.9	80°	96.2	56.9	35.0	24.8	17.5	27.7	40.8	29.2	16.0	5.8
93.3	82.5°	51.0	29.2	13.1	8.7	7.3	8.7	10.2	7.3	2.9	0.0
48.1	85°	20.4	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.7	87.5°	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2883.5
2693.9
2255.2
1680.8
1134.1
918.4
895.1
881.9
861.5
841.1
828.0
817.8
807.6
797.4
790.1
781.4
753.7
692.4
612.3
529.2
454.8
389.2
335.3
284.3
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