

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: P848886

Luminaire Tested: **GLAN-SB5C-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848886  
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-SB5C-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25289 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

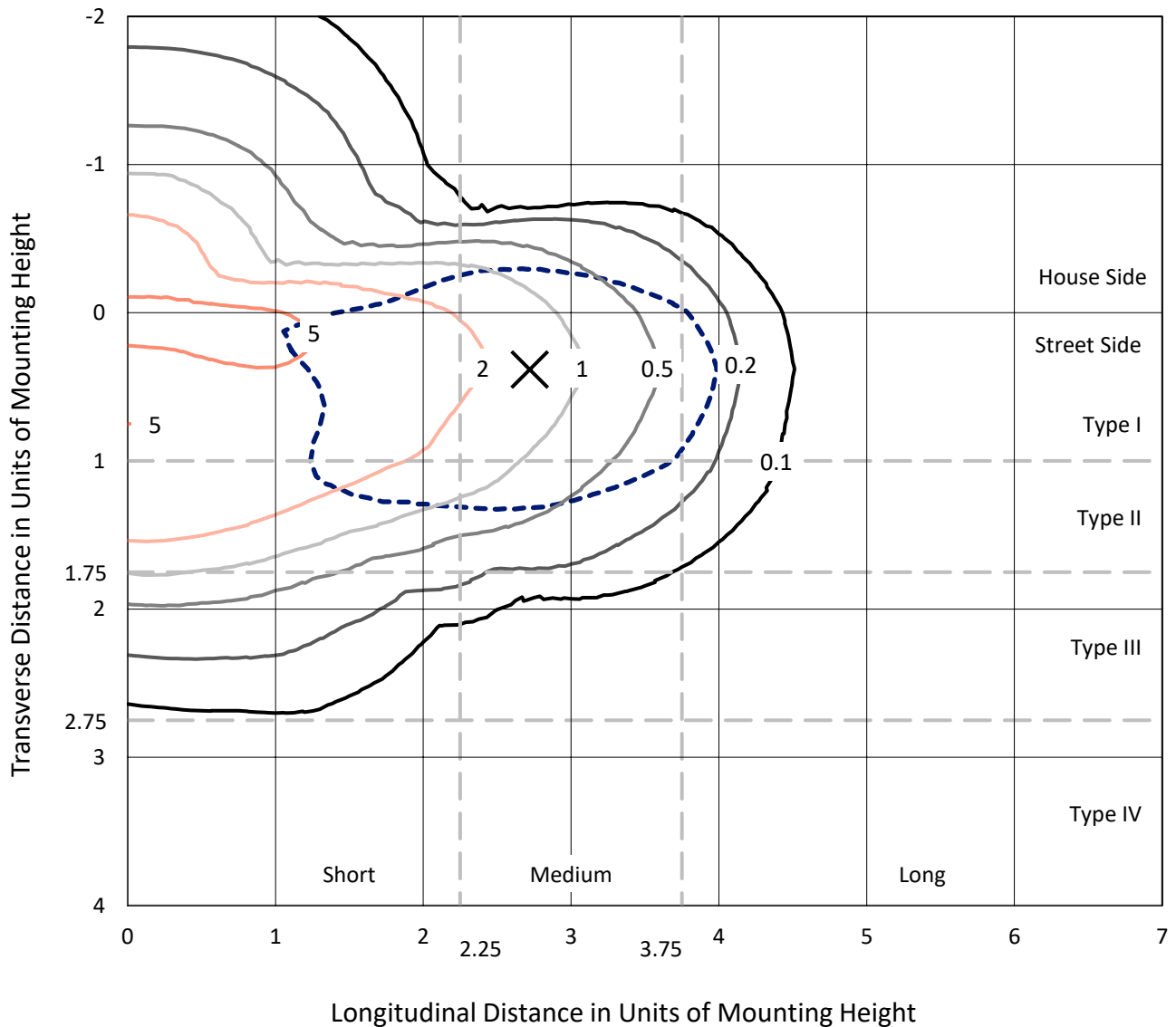
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

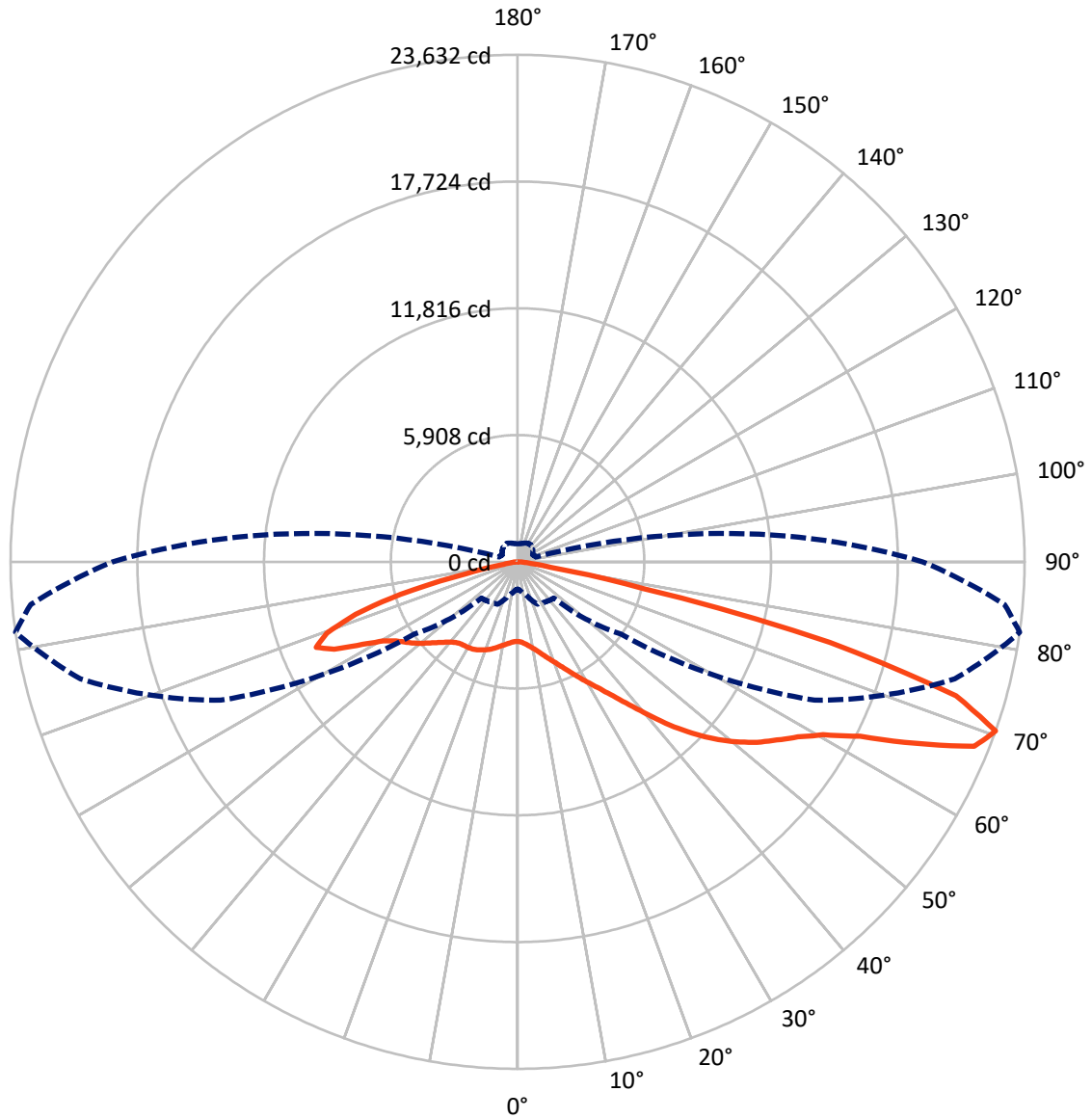
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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
<b>House Side</b>	Lumens	6234.4	0.0	6234.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	19054.6	0.0	19054.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	25289.0	0.0	25289.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.1	1.4
10°-20°	1005.8	4.0
20°-30°	1682.6	6.7
30°-40°	2628.6	10.4
40°-50°	4186.3	16.6
50°-60°	5825.8	23.0
60°-70°	6094.1	24.1
70°-80°	3185.1	12.6
80°-90°	330.7	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°	25289.0	100.0
0°-180°	25289.0	100.0

**Coefficient of Utilization**



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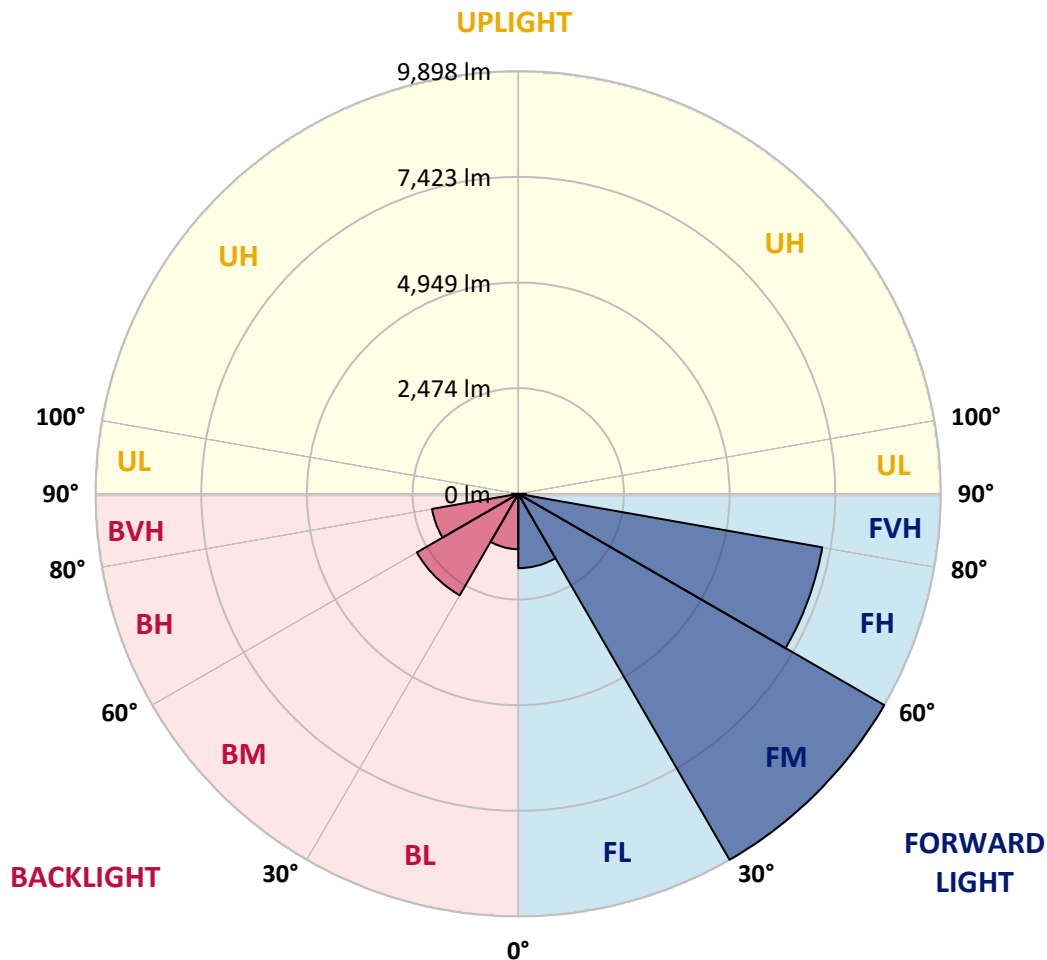
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1741.4	6.9			
FM (30°-60°)	9897.9	39.1			
FH (60°-80°)	7230.2	28.6			G3/7500
FVH (80°-90°)	185.1	0.7			G2/225
BL (0°-30°)	1297.0	5.1	B3/2500		
BM (30°-60°)	2742.9	10.8	B3/5000		
BH (60°-80°)	2048.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	145.6	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°	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7
2.5°	3796.2	3817.7	3811.0	3804.3	3804.3	3794.9	3793.6	3780.1	3769.4	3752.0
5°	3844.6	3867.4	3864.7	3870.1	3887.5	3891.5	3895.6	3887.5	3866.0	3844.6
7.5°	3801.6	3827.1	3835.2	3867.4	3921.0	3969.4	4005.6	4020.3	4000.2	3969.4
10°	3656.7	3684.9	3713.1	3789.5	3884.8	3998.9	4095.5	4153.2	4149.2	4119.6
12.5°	3362.8	3392.3	3452.7	3601.7	3776.1	3977.4	4157.2	4278.0	4319.6	4298.1
15°	3128.0	3153.5	3199.1	3352.1	3578.9	3884.8	4180.0	4414.9	4520.9	4508.8
17.5°	3121.3	3132.0	3160.2	3232.6	3407.1	3739.9	4155.9	4549.1	4751.7	4750.3
20°	3239.4	3243.4	3259.5	3274.2	3373.5	3629.9	4094.2	4660.4	5010.7	5010.7
22.5°	3403.1	3400.4	3416.5	3403.1	3451.4	3620.5	4055.2	4758.4	5299.2	5320.7
25°	3648.6	3635.2	3631.2	3600.3	3609.7	3707.7	4098.2	4869.8	5641.4	5685.7
27.5°	3976.1	3954.6	3939.8	3868.7	3844.6	3887.5	4229.7	5004.0	6022.5	6099.0
30°	4402.8	4363.9	4342.4	4218.9	4131.7	4138.4	4428.3	5182.4	6421.0	6544.5
32.5°	4985.2	4924.8	4867.1	4664.5	4504.8	4452.4	4684.6	5429.3	6853.1	7050.4
35°	5637.3	5589.0	5527.3	5214.6	4969.1	4848.3	5030.8	5774.2	7359.0	7671.7
37.5°	6265.4	6223.8	6253.3	5831.9	5515.2	5339.4	5484.4	6237.2	7983.0	8444.6
40°	6914.8	6882.6	6886.7	6484.1	6115.1	5917.8	6034.5	6818.2	8698.2	9363.8
42.5°	7620.7	7596.5	7516.0	7159.1	6744.4	6560.6	6667.9	7489.2	9465.8	10410.5
45°	8411.1	8396.3	8321.2	7911.9	7436.8	7230.2	7375.1	8229.9	10237.4	11395.5
47.5°	9094.1	9106.2	9096.8	8751.9	8259.4	7956.2	8129.3	9002.8	10955.3	12321.4
50°	9422.9	9485.9	9578.5	9471.2	9165.2	8856.6	8890.1	9748.9	11639.7	13189.6
52.5°	9251.1	9370.5	9622.8	9794.6	9912.7	9848.2	9758.3	10489.7	12283.8	13973.3
55°	8611.0	8778.7	9197.4	9612.1	10214.6	10682.9	10801.0	11310.9	12911.8	14663.0
57.5°	7444.9	7717.3	8093.0	8931.7	9946.2	11086.8	12016.8	12450.2	13577.4	15399.7
60°	5445.5	5810.4	6277.4	7525.4	9006.9	10870.8	13051.4	14200.0	14523.4	16353.8
62.5°	3484.9	3710.4	4139.8	5315.3	7018.2	9763.7	13368.1	16387.3	16127.0	17918.5
65°	2385.9	2530.8	2924.0	3584.2	4537.0	7267.8	12520.0	18027.2	18674.0	20398.3
67.5°	1733.7	1843.8	2179.3	2757.6	2956.2	4300.8	9715.4	17952.0	21149.8	22953.3
70°	1264.1	1341.9	1623.7	2179.3	2274.5	2392.6	5885.6	15260.1	21096.1	23632.3
72.5°	936.6	990.3	1179.5	1690.8	1841.1	1615.7	2913.3	11090.8	18127.8	21375.2
75°	677.7	717.9	857.5	1293.6	1473.4	1230.5	1453.3	6481.4	12644.8	15036.0
77.5°	518.0	548.8	640.1	947.4	1179.5	923.2	901.8	2981.7	5995.6	6025.2
80°	416.0	436.1	485.8	666.9	904.4	691.1	587.8	1203.7	1894.8	1603.6
82.5°	306.0	339.5	410.6	468.3	646.8	476.4	358.3	607.9	720.6	620.0
85°	174.4	197.3	248.3	335.5	413.3	291.2	205.3	269.7	335.5	275.1
87.5°	61.7	80.5	87.2	131.5	179.8	120.8	79.2	77.8	110.0	81.9
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°
3707.7	0°	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7	3707.7
3747.9	2.5°	3734.5	3727.8	3701.0	3664.7	3627.2	3590.9	3578.9	3553.4	3535.9	3526.5
3835.2	5°	3809.7	3788.2	3725.1	3644.6	3560.1	3468.8	3404.4	3345.4	3302.4	3262.2
3954.6	7.5°	3917.0	3879.4	3770.8	3629.9	3479.6	3327.9	3215.2	3129.3	3071.6	3034.0
4094.2	10°	4041.8	3984.1	3817.7	3607.0	3374.9	3157.5	3024.7	2950.8	2914.6	2894.5
4253.8	12.5°	4185.4	4103.5	3866.0	3554.7	3215.2	2967.0	2875.7	2854.2	2855.6	2856.9
4455.1	15°	4362.5	4248.5	3904.9	3440.6	3007.2	2820.7	2804.6	2839.5	2875.7	2893.1
4683.2	17.5°	4562.5	4401.4	3911.7	3252.8	2803.2	2726.8	2777.7	2852.9	2907.9	2932.1
4938.2	20°	4777.2	4557.1	3863.3	2987.1	2635.5	2650.3	2741.5	2838.1	2898.5	2929.4
5229.4	22.5°	5022.8	4723.5	3747.9	2708.0	2498.6	2567.1	2674.4	2768.4	2831.4	2862.3
5571.6	25°	5303.2	4910.0	3566.8	2473.1	2380.5	2473.1	2580.5	2658.3	2709.3	2737.5
5954.0	27.5°	5614.5	5104.6	3325.2	2286.6	2277.2	2376.5	2465.1	2525.5	2552.3	2573.8
6360.6	30°	5927.2	5281.7	3032.7	2145.7	2187.3	2281.2	2344.3	2371.1	2379.2	2383.2
6814.2	32.5°	6265.4	5434.7	2725.4	2029.0	2101.4	2188.6	2226.2	2238.3	2200.7	2175.2
7364.4	35°	6674.6	5598.4	2424.8	1936.4	2016.9	2092.0	2104.1	2093.4	2049.1	1996.8
8054.1	37.5°	7180.5	5802.4	2184.6	1870.6	1937.7	1987.4	1972.6	1969.9	1973.9	1912.2
8883.4	40°	7800.5	6068.1	2008.8	1819.6	1873.3	1884.0	1842.4	1865.2	1885.4	1791.4
9793.2	42.5°	8488.9	6388.8	1897.5	1784.7	1819.6	1794.1	1729.7	1755.2	1752.5	1629.1
10707.1	45°	9190.7	6737.7	1858.5	1759.2	1770.0	1719.0	1647.9	1654.6	1598.2	1486.8
11583.3	47.5°	9888.5	7112.1	1882.7	1737.8	1708.2	1650.5	1595.5	1566.0	1482.8	1399.6
12423.4	50°	10572.9	7505.3	1971.3	1694.8	1623.7	1590.2	1549.9	1497.6	1409.0	1337.9
13217.8	52.5°	11207.6	7901.1	2070.6	1623.7	1517.7	1537.8	1512.3	1451.9	1364.7	1292.3
13969.2	55°	11808.8	8297.0	2109.5	1525.7	1418.4	1492.2	1477.4	1366.1	1261.4	1202.3
14755.6	57.5°	12463.6	8773.4	2066.5	1400.9	1337.9	1439.9	1383.5	1260.0	1199.7	1155.4
15779.5	60°	13370.7	9520.8	1973.9	1246.6	1261.4	1362.0	1265.4	1214.4	1148.7	1099.0
17314.6	62.5°	14877.7	10915.1	1825.0	1093.7	1171.5	1246.6	1209.1	1158.1	1091.0	1042.7
19939.4	65°	17105.3	12852.8	1544.5	974.2	1070.8	1133.9	1148.7	1097.7	1027.9	976.9
22239.4	67.5°	18983.9	14068.5	1168.8	874.9	967.5	1042.7	1084.3	1034.6	960.8	911.2
22777.5	70°	18880.6	13185.6	892.4	777.0	876.3	952.8	1006.4	967.5	888.3	841.4
20689.5	72.5°	16769.8	11030.5	721.9	677.7	783.7	858.8	923.2	893.7	813.2	767.6
15156.8	75°	12320.0	7830.0	577.0	577.0	668.3	760.9	832.0	813.2	739.4	707.2
6363.3	77.5°	5193.2	3285.0	452.2	479.1	555.5	653.5	742.1	748.8	684.4	724.6
1682.7	80°	1380.8	905.8	344.9	377.1	436.1	539.4	645.5	642.8	573.0	535.4
625.3	82.5°	526.0	356.9	245.6	265.7	315.3	413.3	511.3	527.4	457.6	395.9
245.6	85°	202.6	153.0	151.6	159.7	183.8	273.7	386.5	399.9	344.9	292.5
68.4	87.5°	52.3	45.6	56.4	53.7	84.5	146.3	221.4	229.5	210.7	122.1
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°
3707.7
3537.3
3278.3
3042.1
2899.9
2859.6
2891.8
2937.4
2937.4
2870.3
2745.5
2581.8
2392.6
2183.3
1999.4
1916.2
1794.1
1627.7
1490.9
1399.6
1332.5
1293.6
1197.0
1151.4
1096.3
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979.6
912.5
845.4
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