

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: P850577

Luminaire Tested: **GLAN-SB8A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18320 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

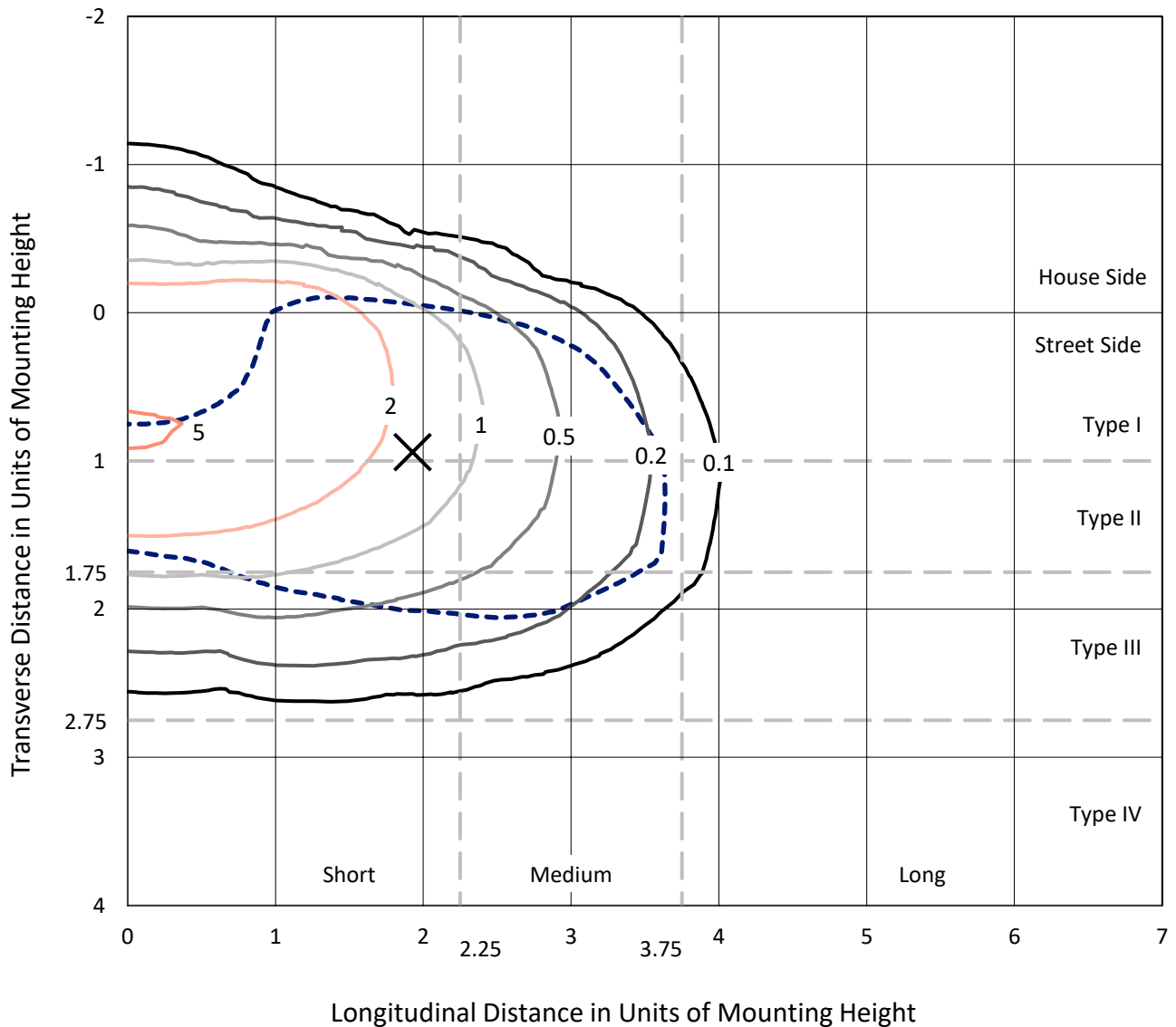
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

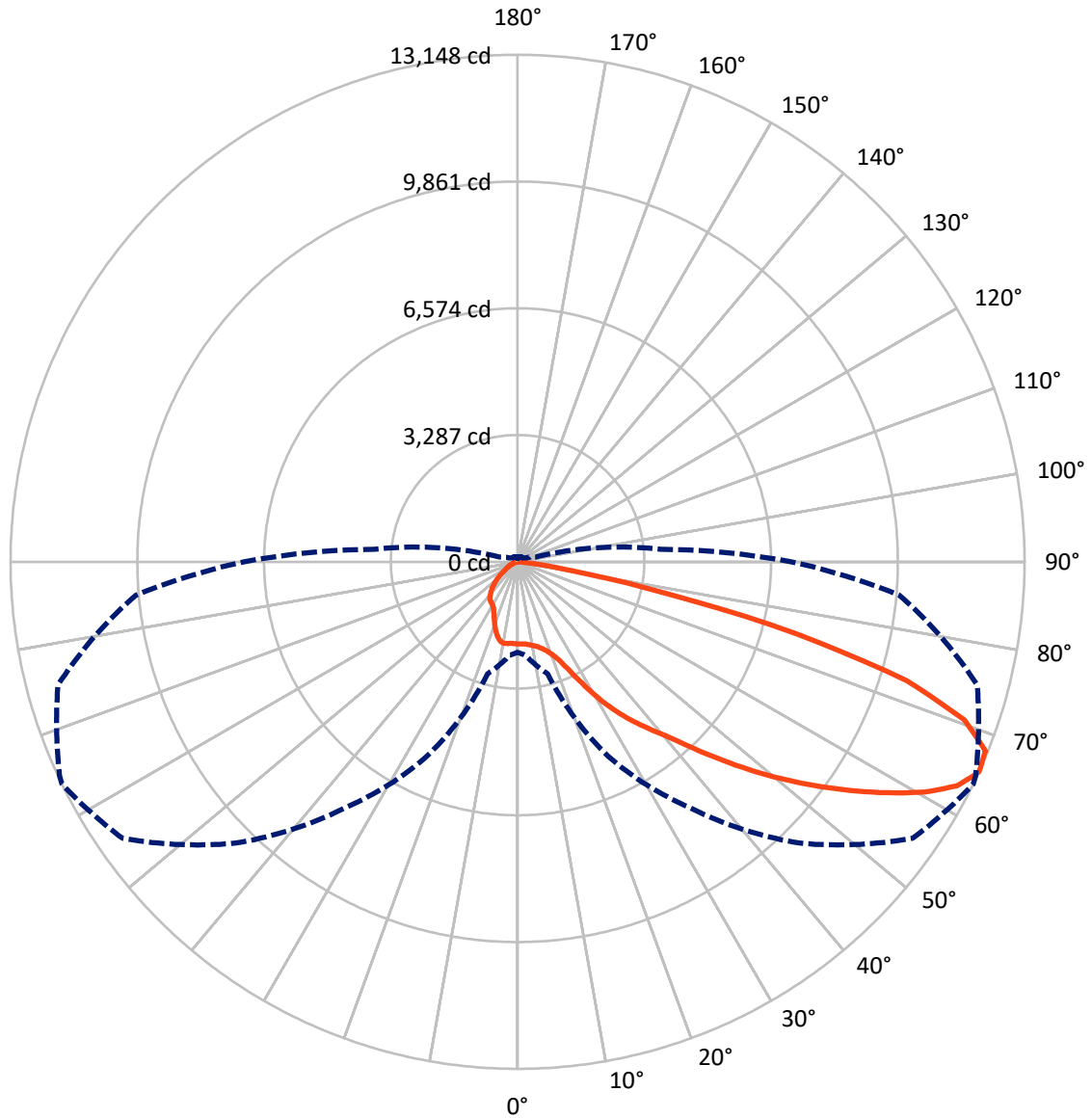
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.9	0.0	2449.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15870.1	0.0	15870.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	18320.0	0.0	18320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	1.1
10°-20°	533.2	2.9
20°-30°	1010.4	5.5
30°-40°	2044.5	11.2
40°-50°	3482.9	19.0
50°-60°	4736.4	25.9
60°-70°	4447.7	24.3
70°-80°	1782.0	9.7
80°-90°	86.3	0.5
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°	18320.0	100.0
0°-180°	18320.0	100.0

Coefficient of Utilization



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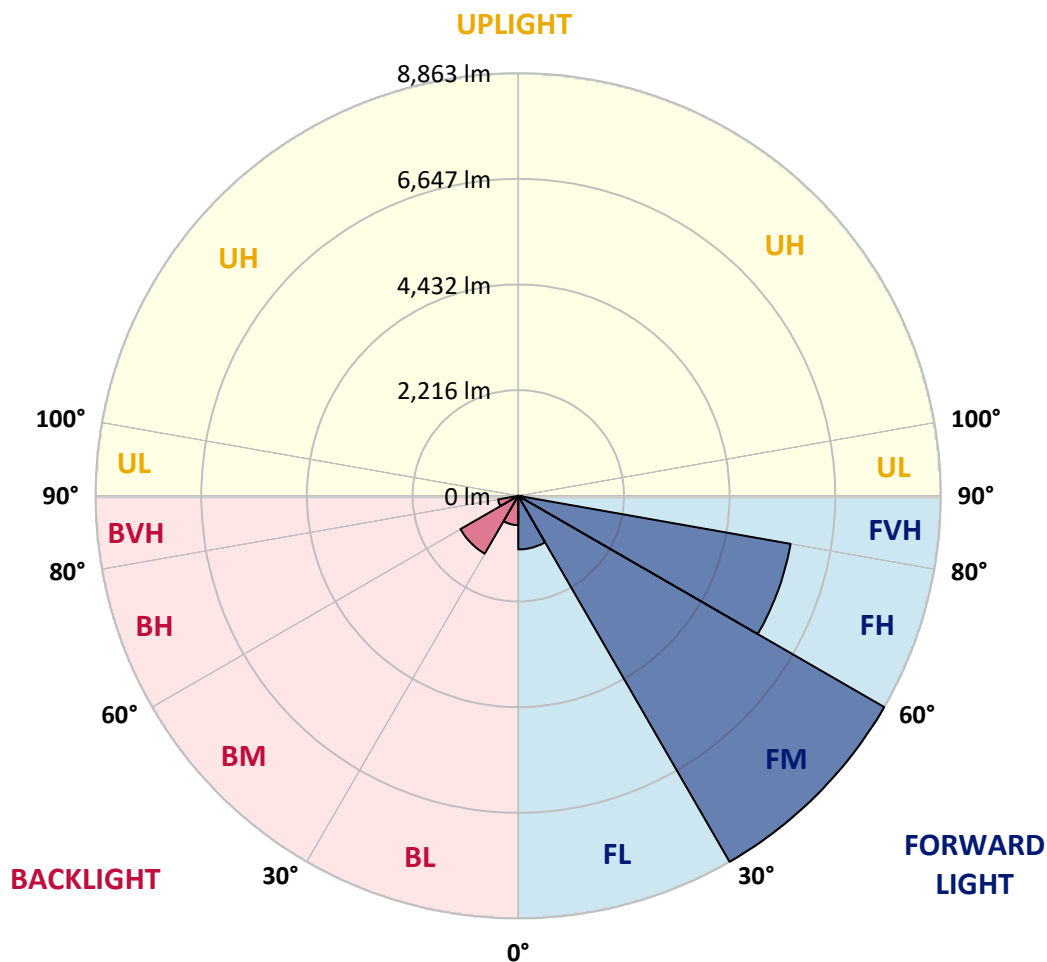
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1125.1	6.1			
FM (30°-60°)	8863.2	48.4			
FH (60°-80°)	5799.7	31.7			G3/7500
FVH (80°-90°)	82.1	0.4			G1/100
BL (0°-30°)	615.1	3.4	B2/1000		
BM (30°-60°)	1400.6	7.6	B2/2500		
BH (60°-80°)	430.0	2.3	B1/500		G1/500
BVH (80°-90°)	4.2	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8
2.5°	2123.4	2138.2	2134.5	2130.8	2129.6	2132.0	2133.3	2132.0	2132.0	2132.0
5°	2082.9	2095.2	2095.2	2103.8	2116.1	2130.8	2141.9	2144.3	2146.8	2150.5
7.5°	2005.5	2015.4	2022.7	2051.0	2081.7	2121.0	2154.1	2171.3	2173.8	2187.3
10°	1952.7	1965.0	1977.3	2006.8	2051.0	2109.9	2166.4	2208.2	2214.3	2246.3
12.5°	1950.3	1962.6	1978.5	2010.4	2062.0	2124.7	2193.4	2253.6	2264.7	2311.3
15°	1976.1	1990.8	2005.5	2044.8	2100.1	2176.2	2249.9	2324.9	2335.9	2402.2
17.5°	2028.9	2048.5	2059.6	2098.9	2157.8	2242.6	2339.6	2425.6	2435.4	2512.8
20°	2133.3	2156.6	2160.3	2192.2	2249.9	2340.8	2456.3	2563.1	2575.4	2663.8
22.5°	2349.4	2382.6	2353.1	2369.1	2420.6	2511.5	2636.8	2771.9	2789.1	2889.8
25°	2730.1	2776.8	2700.7	2673.6	2695.7	2790.3	2947.5	3118.2	3137.9	3218.9
27.5°	3478.1	3417.9	3302.4	3189.5	3123.1	3177.2	3354.0	3565.3	3589.8	3668.4
30°	4299.7	4246.9	4090.9	3840.4	3683.2	3674.6	3837.9	4073.7	4102.0	4176.9
32.5°	5122.5	5072.2	4902.7	4594.4	4321.8	4186.7	4299.7	4561.3	4576.0	4623.9
35°	5931.9	5880.3	5710.8	5395.2	5059.9	4752.9	4730.8	5025.5	5030.4	5080.8
37.5°	6746.1	6703.1	6522.6	6213.1	5882.7	5459.0	5253.9	5465.2	5471.3	5520.4
40°	7327.0	7345.4	7221.4	6981.9	6698.2	6235.2	5841.0	5933.1	5896.3	5978.5
42.5°	7825.6	7862.5	7754.4	7634.1	7469.5	7061.7	6568.0	6552.1	6493.1	6537.3
45°	8256.7	8287.4	8190.4	8162.2	8158.5	7872.3	7362.6	7266.8	7184.6	7176.0
47.5°	8415.1	8474.1	8515.9	8610.4	8794.6	8674.3	8184.3	8035.7	7943.5	7876.0
50°	8475.3	8538.0	8680.4	8955.5	9391.5	9443.1	9002.2	8835.2	8722.2	8599.4
52.5°	8394.3	8506.0	8697.6	9160.6	9793.1	10059.6	9787.0	9640.8	9511.9	9311.7
55°	7916.5	8028.3	8420.1	9158.2	9993.3	10491.9	10528.8	10463.7	10318.8	10003.1
57.5°	6909.5	7075.3	7695.5	8846.2	9989.6	10864.0	11255.8	11302.5	11140.4	10688.4
60°	5514.3	5739.1	6495.6	8154.8	9681.4	11065.5	11893.2	12126.6	11954.6	11363.9
62.5°	3847.7	4108.1	4824.1	7071.6	8976.4	10920.5	12358.7	12789.7	12659.6	11968.1
65°	2347.0	2430.5	3007.7	5564.7	7777.7	10313.8	12502.4	13148.4	13105.4	12337.8
67.5°	1563.4	1633.4	1799.2	3815.8	6037.5	9101.7	12158.5	13085.7	13098.0	12277.6
70°	942.0	1002.2	1110.2	2219.2	3912.8	7204.2	11093.7	12287.4	12358.7	11473.2
72.5°	388.1	428.6	526.9	1005.8	2026.4	4572.3	8833.9	10549.6	10715.4	9647.0
75°	219.8	240.7	309.5	504.8	879.3	2130.8	5351.0	7489.1	7733.5	6649.1
77.5°	146.1	156.0	200.2	326.7	494.9	727.1	2286.8	3901.8	4368.5	3631.6
80°	98.3	106.8	137.6	218.6	321.8	311.9	728.3	1445.5	1778.3	1247.8
82.5°	66.3	67.5	98.3	143.7	203.9	151.1	214.9	449.5	564.9	361.1
85°	38.1	36.8	72.5	83.5	90.9	62.6	65.1	135.1	176.9	152.3
87.5°	4.9	7.4	28.2	22.1	12.3	13.5	13.5	23.3	34.4	36.8
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°
2130.8	0°	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8	2130.8
2133.3	2.5°	2133.3	2132.0	2128.3	2124.7	2116.1	2111.2	2113.6	2111.2	2109.9	2111.2
2149.2	5°	2149.2	2145.5	2135.7	2123.4	2106.2	2085.4	2071.9	2052.2	2033.8	2022.7
2192.2	7.5°	2192.2	2188.5	2175.0	2140.6	2085.4	1998.2	1918.3	1848.3	1795.5	1764.8
2261.0	10°	2261.0	2254.8	2234.0	2157.8	2012.9	1822.5	1664.1	1532.7	1446.7	1406.2
2342.0	12.5°	2342.0	2334.7	2297.8	2141.9	1875.4	1578.1	1359.5	1213.4	1133.6	1097.9
2435.4	15°	2437.8	2428.0	2355.6	2065.7	1675.2	1308.0	1107.8	998.5	946.9	915.0
2554.5	17.5°	2557.0	2539.8	2398.5	1951.5	1457.8	1101.6	953.0	870.7	825.3	794.6
2710.5	20°	2711.7	2683.5	2432.9	1815.2	1257.6	971.5	848.6	779.9	745.5	718.5
2931.5	22.5°	2927.9	2887.3	2474.7	1667.8	1116.4	881.8	771.3	720.9	692.7	662.0
3239.8	25°	3195.6	3147.7	2526.3	1531.5	1019.3	804.4	714.8	673.0	639.9	604.2
3643.9	27.5°	3570.2	3484.2	2587.7	1419.7	935.8	738.1	663.2	616.5	578.4	549.0
4102.0	30°	3987.7	3846.5	2641.7	1352.2	859.7	676.7	595.6	549.0	513.4	492.5
4513.4	32.5°	4383.2	4191.6	2677.3	1322.7	790.9	606.7	522.0	471.6	444.6	438.4
4916.2	35°	4756.5	4503.6	2673.6	1294.4	729.5	536.7	449.5	397.9	377.0	380.7
5349.7	37.5°	5186.4	4836.4	2647.8	1250.2	679.2	472.8	386.9	341.4	323.0	324.2
5876.6	40°	5686.2	5220.8	2631.9	1166.7	623.9	413.9	335.3	298.4	284.9	280.0
6431.7	42.5°	6219.3	5592.9	2634.3	1072.2	555.1	361.1	299.7	269.0	256.7	253.0
7049.5	45°	6754.7	5947.8	2638.0	973.9	482.7	320.5	273.9	248.1	240.7	235.8
7675.8	47.5°	7258.3	6250.0	2569.2	868.3	411.4	289.8	253.0	235.8	229.7	223.5
8304.6	50°	7727.4	6451.4	2403.5	745.5	354.9	265.3	237.0	224.7	218.6	212.5
8874.5	52.5°	8092.2	6483.3	2129.6	619.0	315.6	246.9	227.2	216.2	208.8	202.6
9335.0	55°	8254.3	6283.1	1740.3	501.1	284.9	230.9	217.4	206.3	197.7	191.6
9697.3	57.5°	8212.5	5861.9	1357.1	402.8	255.5	214.9	205.1	197.7	187.9	178.1
9990.8	60°	8007.4	5298.2	1023.0	335.3	228.4	197.7	191.6	185.4	171.9	157.2
10103.8	62.5°	7652.5	4589.5	729.5	277.6	199.0	178.1	175.6	170.7	151.1	124.0
9936.8	65°	7109.6	3728.6	491.3	230.9	170.7	156.0	157.2	148.6	122.8	92.1
9325.2	67.5°	6316.3	2726.4	314.4	189.1	142.5	130.2	131.4	126.5	104.4	78.6
8165.8	70°	5305.5	1805.4	205.1	143.7	114.2	100.7	108.1	109.3	88.4	63.9
6267.1	72.5°	3889.5	1066.0	143.7	106.8	83.5	70.0	88.4	90.9	71.2	47.9
3770.4	75°	2216.8	506.0	108.1	77.4	51.6	49.1	68.8	68.8	49.1	31.9
1632.2	77.5°	930.9	211.2	76.1	50.4	29.5	28.2	46.7	43.0	24.6	14.7
397.9	80°	269.0	94.6	40.5	24.6	12.3	11.1	18.4	13.5	6.1	2.5
151.1	82.5°	105.6	41.8	16.0	9.8	4.9	4.9	2.5	0.0	0.0	0.0
86.0	85°	62.6	17.2	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.4	87.5°	16.0	3.7	2.5	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°
2130.8
2116.1
2025.2
1766.1
1402.5
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916.2
792.1
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657.0
600.6
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380.7
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