

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: P851435

Luminaire Tested: **GLAN-SB9B-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851435
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-SB9B-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 450mA 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: 25268 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

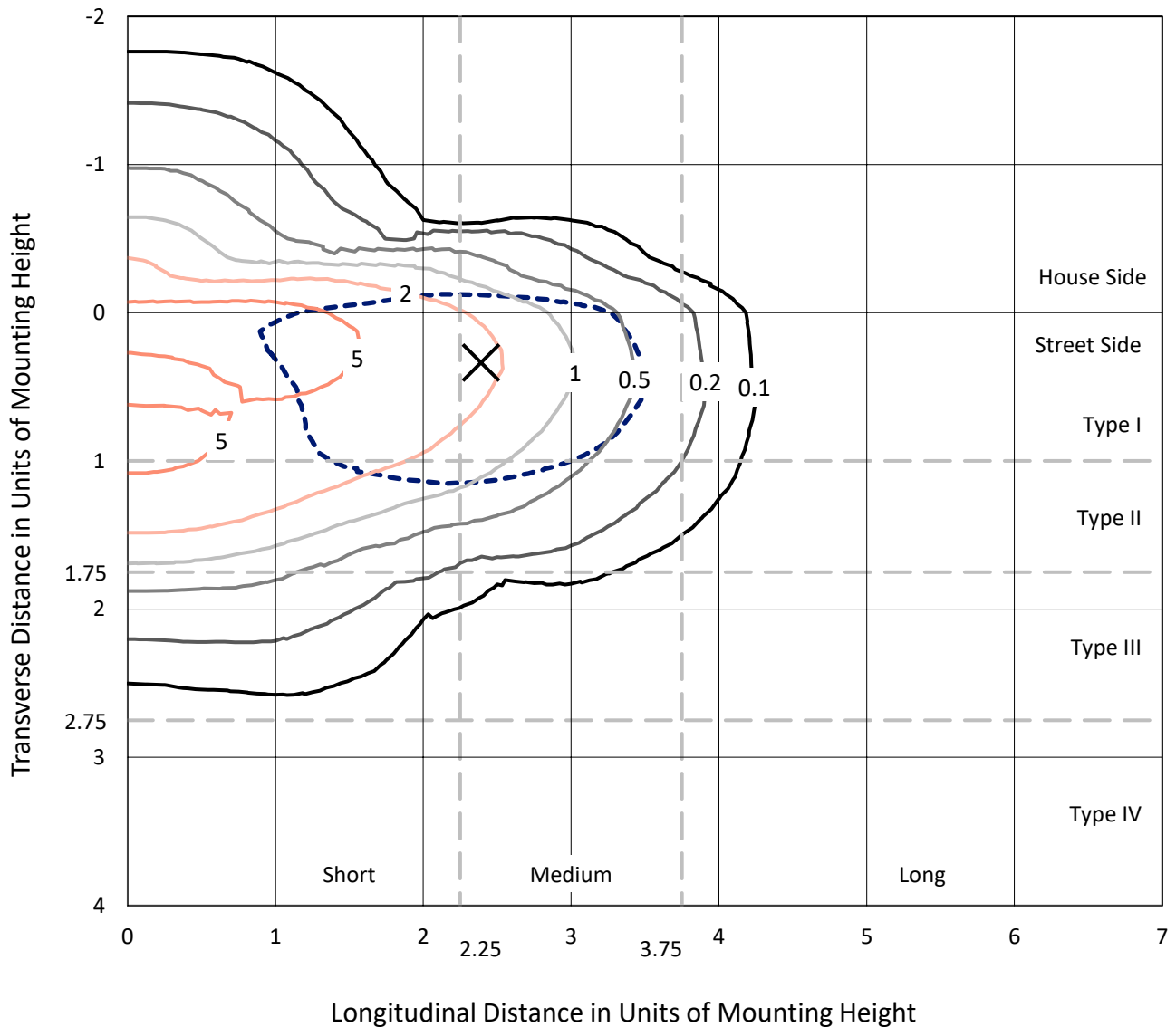
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

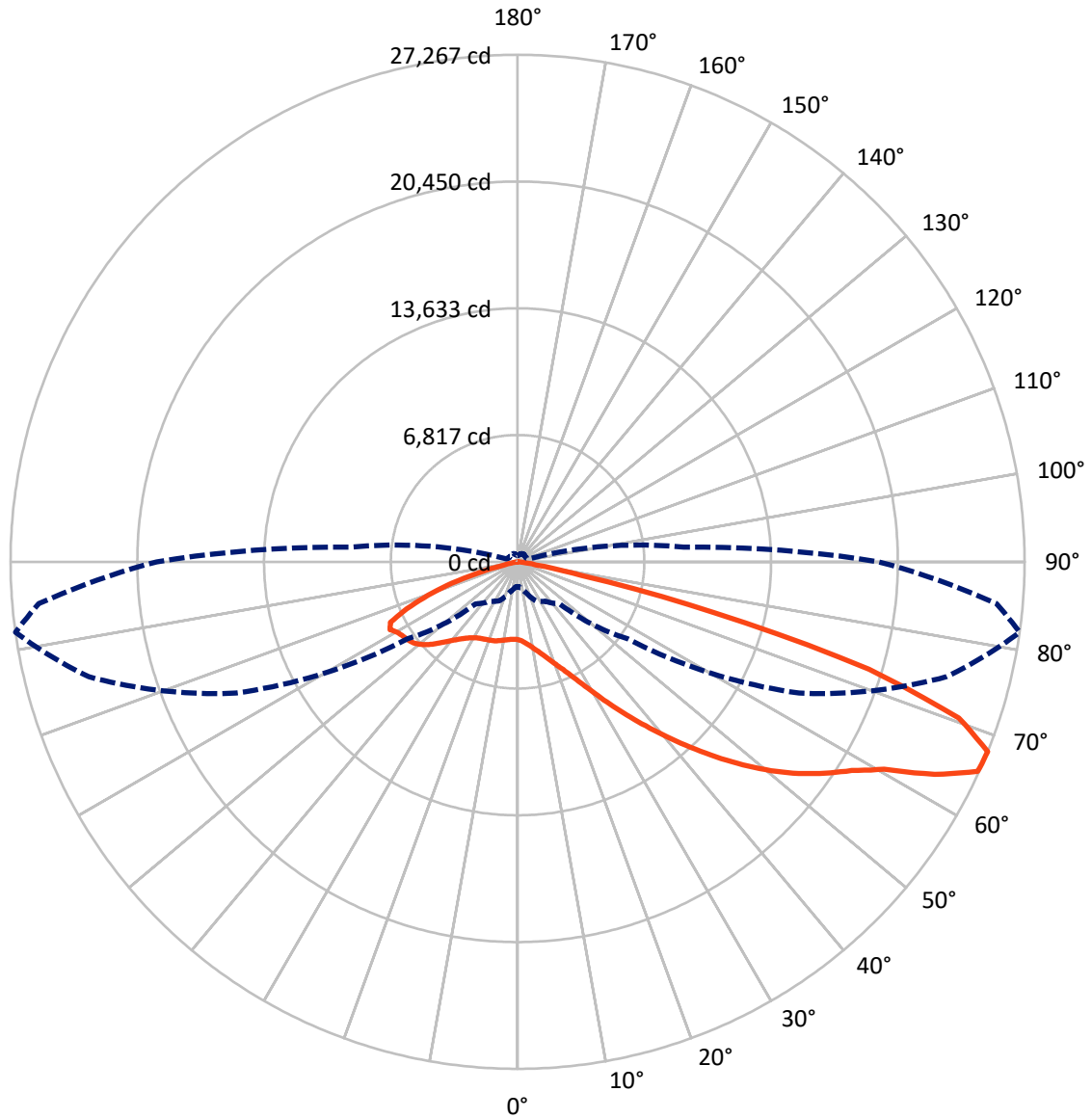
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	4577.1	0.0	4577.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20690.9	0.0	20690.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	25268.0	0.0	25268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.9	1.5
10°-20°	969.1	3.8
20°-30°	1552.2	6.1
30°-40°	2744.8	10.9
40°-50°	4809.2	19.0
50°-60°	6414.2	25.4
60°-70°	5971.3	23.6
70°-80°	2291.8	9.1
80°-90°	142.3	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°	25268.0	100.0
0°-180°	25268.0	100.0

Coefficient of Utilization

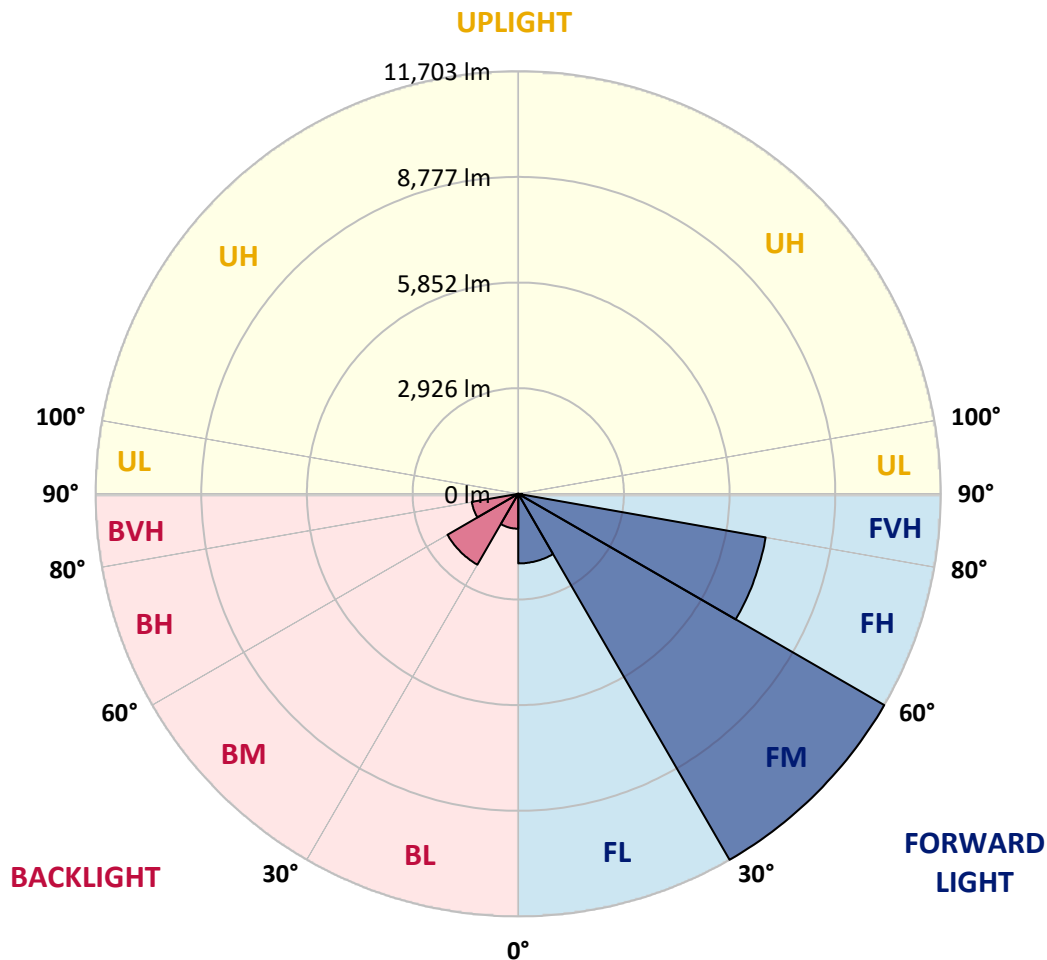


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1927.7	7.6			
FM (30°-60°)	11703.1	46.3			
FH (60°-80°)	6956.7	27.5			G3/7500
FVH (80°-90°)	103.5	0.4			G2/225
BL (0°-30°)	966.7	3.8	B2/1000		
BM (30°-60°)	2265.2	9.0	B2/2500		
BH (60°-80°)	1306.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.9	0.2			G1/100
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°	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1
2.5°	4424.4	4449.8	4435.3	4428.0	4415.3	4397.1	4382.5	4337.0	4289.7	4258.8
5°	4513.5	4539.0	4537.2	4544.4	4553.5	4559.0	4555.4	4504.4	4437.1	4384.3
7.5°	4437.1	4466.2	4489.9	4526.2	4589.9	4657.2	4690.0	4679.1	4609.9	4537.2
10°	4220.6	4251.5	4307.9	4393.4	4528.1	4673.6	4795.5	4851.9	4808.2	4728.2
12.5°	3824.0	3855.0	3965.9	4151.5	4377.1	4629.9	4862.8	5013.8	5024.7	4944.7
15°	3378.3	3409.2	3527.5	3760.4	4104.2	4509.9	4899.2	5184.8	5281.2	5212.1
17.5°	3101.8	3129.1	3218.2	3405.6	3764.0	4269.7	4886.5	5366.7	5586.9	5532.3
20°	3018.1	3041.8	3083.6	3214.6	3512.9	4020.5	4802.8	5537.7	5916.1	5885.2
22.5°	3107.2	3129.1	3141.8	3200.0	3387.4	3856.8	4697.3	5712.4	6298.2	6301.8
25°	3312.8	3334.7	3320.1	3356.5	3438.3	3805.8	4657.2	5918.0	6778.5	6818.5
27.5°	3651.2	3653.0	3618.5	3616.6	3629.4	3882.2	4699.1	6138.1	7384.3	7458.9
30°	4329.8	4302.5	4169.7	4026.0	3960.5	4111.5	4815.5	6398.2	8099.2	8232.0
32.5°	5375.8	5335.8	5092.0	4748.2	4402.5	4480.8	5024.7	6694.8	8877.9	9118.0
35°	6511.0	6500.1	6245.4	5734.2	5130.2	5006.5	5364.9	7084.1	9727.4	10109.5
37.5°	7566.2	7560.7	7415.2	6813.0	6078.1	5739.7	5910.7	7593.5	10637.0	11190.1
40°	8530.4	8546.8	8401.2	7862.7	7122.3	6680.2	6652.9	8222.9	11648.5	12367.1
42.5°	9363.6	9381.8	9234.4	8836.0	8153.8	7720.8	7564.4	8994.3	12636.4	13631.5
45°	9929.4	10042.2	10020.3	9702.0	9212.6	8763.2	8659.5	9962.1	13762.5	14972.3
47.5°	10089.5	10193.2	10356.9	10400.5	10102.2	9660.1	9783.8	11128.2	14901.3	16314.9
50°	9694.7	9791.1	10131.3	10584.3	10791.7	10655.2	10877.2	12378.1	16067.5	17653.8
52.5°	8916.1	9014.3	9443.6	10160.4	11006.4	11435.7	11974.2	13609.7	17197.2	18921.8
55°	7790.0	7893.6	8444.9	9256.3	10597.0	11757.7	12889.3	14839.5	18232.3	20062.5
57.5°	6258.2	6334.6	6907.6	8042.8	9567.3	11437.5	13564.2	16182.1	19207.4	21183.1
60°	4078.7	4146.0	4811.9	6078.1	7860.9	10367.8	13698.8	17679.3	20502.7	22640.3
62.5°	2712.5	2758.0	3152.7	4082.4	5535.9	8313.9	12911.1	18874.5	22402.0	25176.3
65°	1861.1	1906.6	2301.3	2949.0	3576.6	5499.5	10646.1	18716.3	24123.0	27190.2
67.5°	1328.0	1366.2	1701.0	2312.2	2588.8	3194.6	7216.9	16693.3	23875.6	27266.6
70°	951.5	973.3	1249.8	1801.0	2057.6	1919.3	4013.2	12767.4	20904.8	25178.2
72.5°	665.8	673.1	867.8	1371.7	1657.3	1400.8	1910.2	8512.2	15810.9	19762.3
75°	451.2	460.3	584.0	1006.0	1329.9	1069.7	1011.5	4564.5	9281.7	10939.0
77.5°	276.5	280.2	376.6	687.7	995.1	815.0	651.3	1933.8	3591.2	3525.7
80°	156.5	156.5	240.1	427.5	678.6	525.8	456.6	822.3	1137.0	998.8
82.5°	87.3	89.1	174.6	265.6	449.4	311.1	251.1	380.2	491.2	434.8
85°	36.4	40.0	107.3	125.5	214.7	154.6	101.9	160.1	181.9	161.9
87.5°	3.6	5.5	32.7	23.7	25.5	30.9	14.6	30.9	25.5	25.5
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°
4186.1	0°	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1	4186.1
4247.9	2.5°	4213.3	4186.1	4116.9	4036.9	3931.4	3880.4	3811.3	3764.0	3724.0	3727.6
4353.4	5°	4295.2	4226.1	4071.4	3878.6	3638.5	3467.5	3285.5	3160.0	3058.1	3036.3
4499.0	7.5°	4408.0	4298.8	4027.8	3680.3	3274.6	2967.2	2692.5	2516.0	2390.5	2350.4
4675.4	10°	4553.5	4395.3	3971.4	3431.1	2847.1	2456.0	2161.2	2023.0	1937.5	1908.4
4882.8	12.5°	4722.7	4506.2	3896.8	3127.3	2406.8	2030.3	1842.9	1773.8	1746.5	1737.4
5137.5	15°	4935.6	4644.5	3784.0	2767.1	2033.9	1770.1	1690.1	1681.0	1684.6	1681.0
5443.1	17.5°	5188.4	4795.5	3600.3	2395.9	1782.8	1637.3	1608.2	1615.5	1624.6	1622.8
5785.2	20°	5465.0	4944.7	3365.6	2066.6	1611.8	1542.7	1526.3	1533.6	1540.9	1537.3
6179.9	22.5°	5779.7	5104.8	3105.4	1810.1	1497.2	1455.4	1437.2	1439.0	1439.0	1431.7
6680.2	25°	6156.3	5281.2	2832.5	1628.2	1409.9	1377.2	1355.3	1348.1	1337.1	1315.3
7287.8	27.5°	6605.6	5468.6	2570.6	1500.9	1340.8	1309.8	1284.4	1266.2	1238.9	1202.5
8017.4	30°	7111.4	5696.0	2348.6	1420.8	1286.2	1255.3	1226.2	1198.9	1158.9	1113.4
8856.0	32.5°	7706.3	5939.8	2186.7	1368.1	1237.1	1204.3	1169.8	1137.0	1093.4	1047.9
9798.4	35°	8415.8	6234.5	2092.1	1331.7	1198.9	1155.2	1117.0	1080.6	1047.9	1007.9
10822.6	37.5°	9185.3	6547.4	2063.0	1313.5	1173.4	1106.1	1062.4	1037.0	1033.3	1009.7
11930.5	40°	10027.6	6918.5	2084.8	1302.6	1146.1	1058.8	1011.5	1006.0	1015.1	973.3
13114.8	42.5°	10919.0	7358.8	2121.2	1289.8	1107.9	1011.5	966.0	966.0	958.7	900.5
14366.5	45°	11883.2	7866.4	2157.6	1258.9	1062.4	964.2	929.6	916.9	886.0	829.6
15625.4	47.5°	12854.7	8383.0	2184.9	1202.5	1007.9	924.2	893.2	864.1	818.7	767.7
16860.6	50°	13777.0	8846.9	2155.8	1118.8	946.0	886.0	853.2	813.2	764.1	729.5
18030.4	52.5°	14601.2	9249.0	2032.1	1020.6	880.5	845.9	816.8	775.0	735.0	698.6
19085.6	55°	15317.9	9574.6	1813.8	927.8	822.3	811.4	782.3	729.5	674.9	644.0
20131.6	57.5°	16005.6	9822.0	1540.9	851.4	769.5	773.2	729.5	682.2	631.3	598.5
21541.5	60°	16920.7	10153.1	1264.4	780.5	713.1	724.1	676.8	642.2	578.5	536.7
23959.3	62.5°	18383.3	10668.0	1004.2	693.1	647.6	651.3	631.3	589.4	513.0	463.9
25751.2	65°	19544.0	10478.8	791.4	598.5	573.1	578.5	578.5	533.0	451.2	394.8
25847.6	67.5°	19413.0	8972.5	631.3	505.7	502.1	505.7	518.5	480.3	400.2	354.8
23879.2	70°	17883.0	7136.8	505.7	420.2	436.6	427.5	463.9	438.4	360.2	314.7
18512.5	72.5°	14592.1	5141.1	385.7	347.5	334.7	349.3	418.4	394.8	300.2	249.2
9805.7	75°	8526.7	2743.4	287.4	274.7	242.0	291.1	371.1	336.6	229.2	183.7
3005.4	77.5°	2776.1	956.9	211.0	201.9	180.1	234.7	316.5	283.8	187.4	145.5
880.5	80°	744.1	289.3	143.7	132.8	116.4	174.6	251.1	225.6	134.6	94.6
378.4	82.5°	298.4	121.9	83.7	74.6	63.7	120.1	198.3	181.9	100.1	60.0
118.3	85°	96.4	40.0	30.9	23.7	29.1	74.6	118.3	123.7	71.0	30.9
18.2	87.5°	12.7	5.5	5.5	7.3	5.5	12.7	36.4	34.6	20.0	3.6
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°
4186.1
3691.2
2987.2
2310.4
1886.5
1731.9
1679.2
1619.1
1535.4
1428.1
1311.7
1198.9
1109.7
1049.7
1004.2
1007.9
975.1
900.5
827.8
765.9
724.1
694.9
640.4
594.9
531.2
460.3
389.3
347.5
309.3
243.8
178.3
140.1
92.8
60.0
23.7
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0.0

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