

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: P851225

Luminaire Tested: **GLAN-SB9A-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851225
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-SB9A-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA 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: 24703 lumens
Efficiency: N/A
Efficacy: 96.7 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

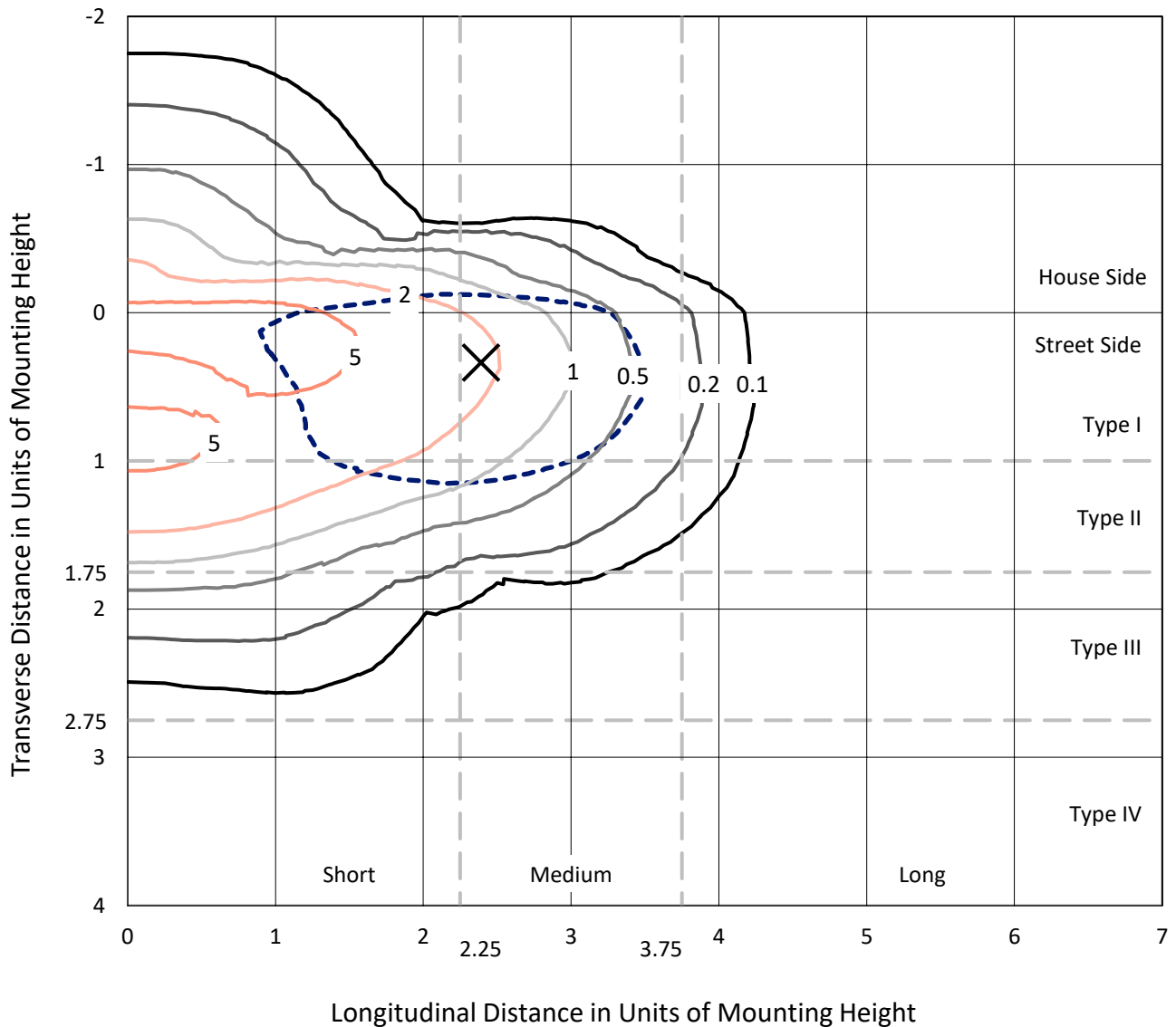
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

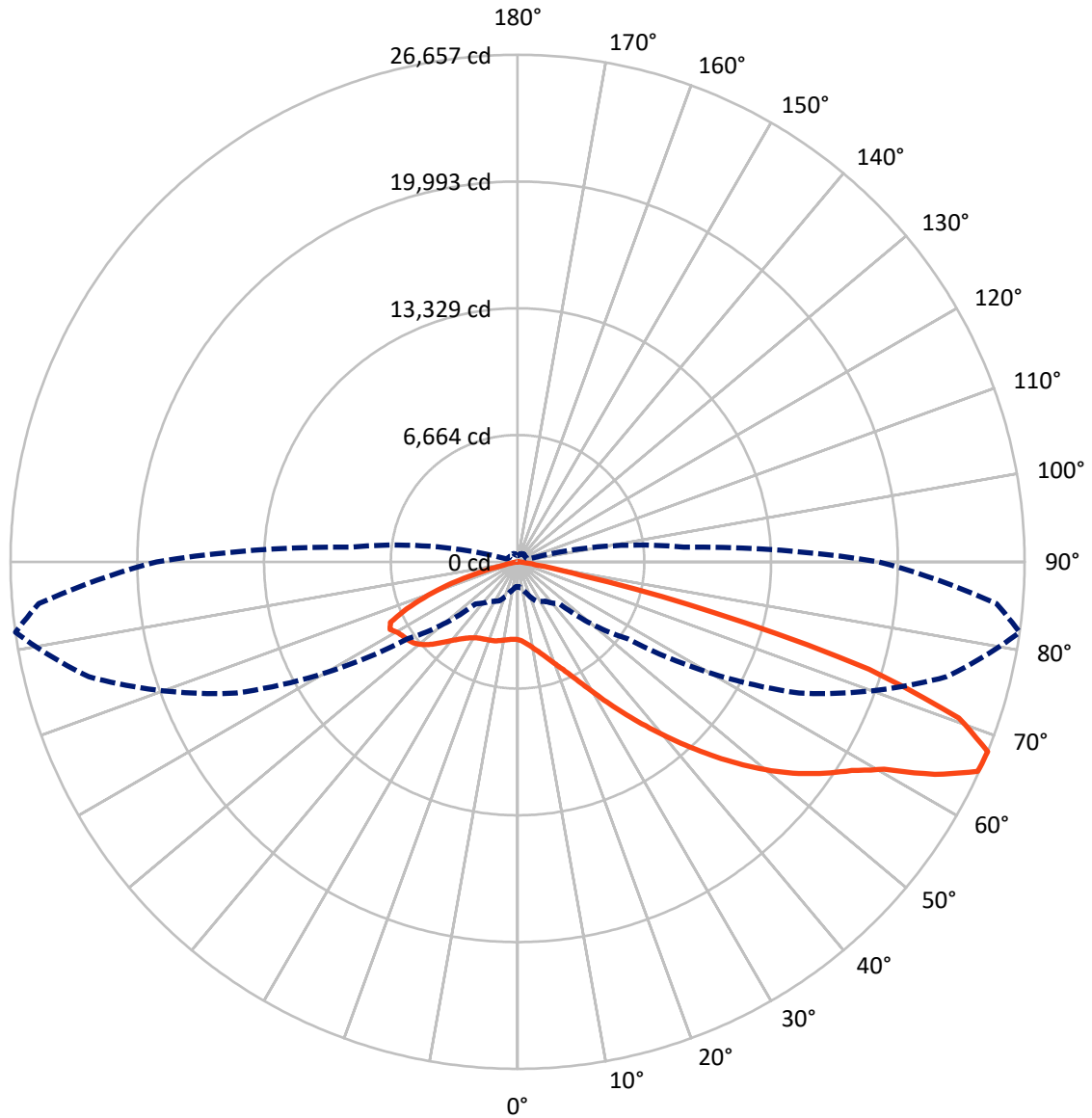
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	4474.7	0.0	4474.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20228.3	0.0	20228.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	24703.0	0.0	24703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.6	1.5
10°-20°	947.5	3.8
20°-30°	1517.5	6.1
30°-40°	2683.5	10.9
40°-50°	4701.7	19.0
50°-60°	6270.8	25.4
60°-70°	5837.8	23.6
70°-80°	2240.5	9.1
80°-90°	139.2	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°	24703.0	100.0
0°-180°	24703.0	100.0

Coefficient of Utilization

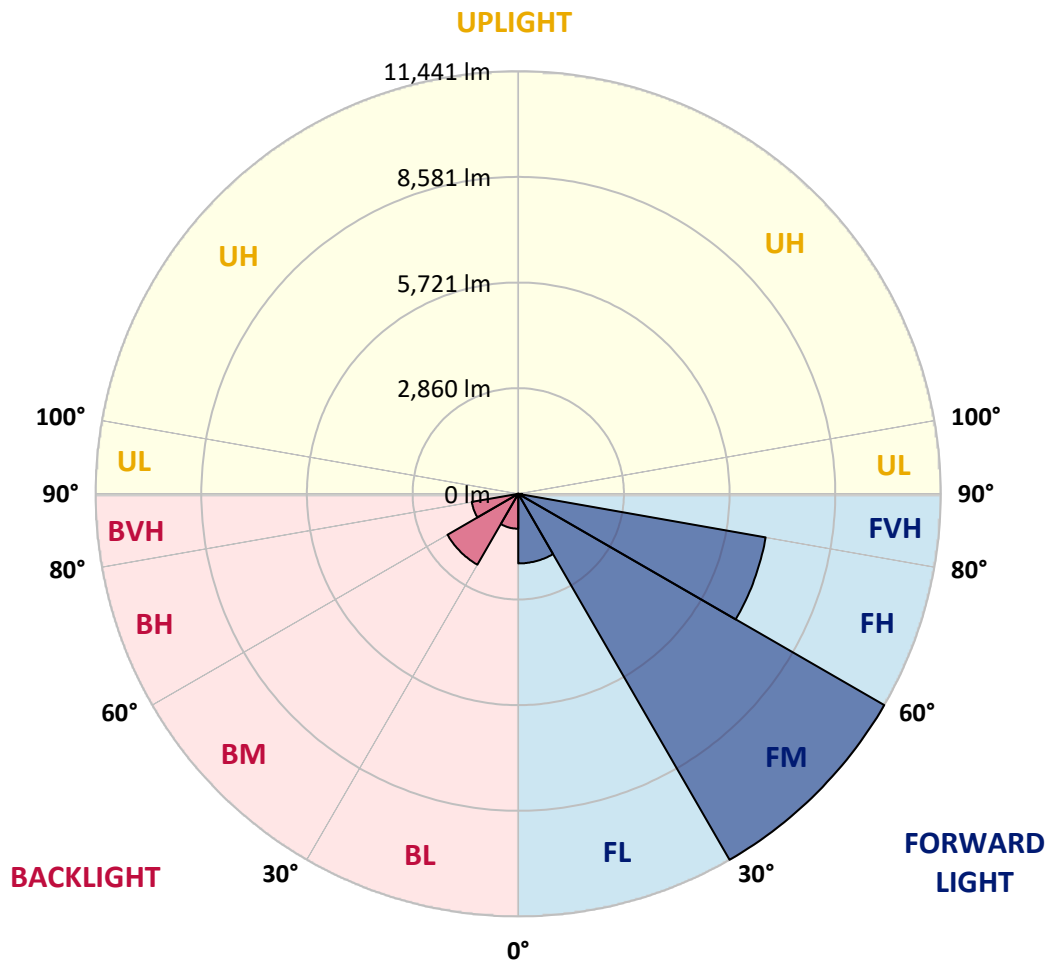


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1884.6	7.6			
FM (30°-60°)	11441.4	46.3			
FH (60°-80°)	6801.1	27.5			G3/7500
FVH (80°-90°)	101.2	0.4			G2/225
BL (0°-30°)	945.1	3.8	B2/1000		
BM (30°-60°)	2214.5	9.0	B2/2500		
BH (60°-80°)	1277.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	38.0	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°	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5
2.5°	4325.4	4350.3	4336.1	4329.0	4316.5	4298.8	4284.5	4240.1	4193.8	4163.6
5°	4412.6	4437.5	4435.7	4442.8	4451.7	4457.1	4453.5	4403.7	4337.9	4286.3
7.5°	4337.9	4366.3	4389.5	4425.0	4487.3	4553.1	4585.1	4574.4	4506.9	4435.7
10°	4126.2	4156.5	4211.6	4295.2	4426.8	4569.1	4688.3	4743.4	4700.7	4622.5
12.5°	3738.5	3768.8	3877.2	4058.7	4279.2	4526.4	4754.1	4901.7	4912.4	4834.1
15°	3302.8	3333.0	3448.6	3676.3	4012.4	4409.0	4789.6	5068.9	5163.1	5095.6
17.5°	3032.4	3059.1	3146.3	3329.5	3679.8	4174.3	4777.2	5246.7	5461.9	5408.6
20°	2950.6	2973.7	3014.6	3142.7	3434.4	3930.6	4695.4	5413.9	5783.9	5753.6
22.5°	3037.8	3059.1	3071.6	3128.5	3311.7	3770.5	4592.2	5584.7	6157.4	6160.9
25°	3238.7	3260.1	3245.9	3281.4	3361.5	3720.7	4553.1	5785.6	6626.9	6666.0
27.5°	3569.6	3571.3	3537.5	3535.8	3548.2	3795.4	4594.0	6000.8	7219.1	7292.1
30°	4233.0	4206.3	4076.4	3935.9	3871.9	4019.5	4707.8	6255.2	7918.1	8048.0
32.5°	5255.6	5216.5	4978.2	4642.0	4304.1	4380.6	4912.4	6545.1	8679.3	8914.1
35°	6365.4	6354.8	6105.8	5606.0	5015.5	4894.6	5245.0	6925.7	9509.9	9883.4
37.5°	7397.0	7391.7	7249.4	6660.7	5942.1	5611.3	5778.5	7423.7	10399.2	10939.9
40°	8339.6	8355.6	8213.4	7686.9	6963.0	6530.8	6504.2	8039.1	11388.1	12090.6
42.5°	9154.2	9172.0	9027.9	8638.4	7971.5	7548.2	7395.2	8793.2	12353.8	13326.7
45°	9707.3	9817.6	9796.3	9485.0	9006.6	8567.3	8465.9	9739.4	13454.8	14637.5
47.5°	9863.9	9965.2	10125.3	10168.0	9876.3	9444.1	9565.1	10879.4	14568.1	15950.1
50°	9477.9	9572.2	9904.8	10347.6	10550.4	10417.0	10634.0	12101.3	15708.2	17259.1
52.5°	8716.7	8812.7	9232.5	9933.2	10760.2	11180.0	11706.4	13305.4	16812.7	18498.7
55°	7615.8	7717.1	8256.0	9049.3	10360.1	11494.8	12601.1	14507.7	17824.7	19613.9
57.5°	6118.2	6192.9	6753.2	7863.0	9353.4	11181.8	13260.9	15820.2	18778.0	20709.5
60°	3987.5	4053.3	4704.3	5942.1	7685.1	10136.0	13392.5	17284.0	20044.3	22134.1
62.5°	2651.8	2696.3	3082.2	3991.1	5412.1	8128.0	12622.4	18452.5	21901.1	24613.4
65°	1819.5	1863.9	2249.9	2883.0	3496.6	5376.6	10408.1	18297.8	23583.6	26582.3
67.5°	1298.3	1335.7	1662.9	2260.5	2530.9	3123.1	7055.5	16320.0	23341.7	26657.0
70°	930.2	951.5	1221.9	1760.8	2011.5	1876.4	3923.5	12481.9	20437.4	24615.2
72.5°	651.0	658.1	848.4	1341.0	1620.3	1369.5	1867.5	8321.9	15457.4	19320.4
75°	441.1	450.0	570.9	983.5	1300.1	1045.8	988.9	4462.4	9074.2	10694.4
77.5°	270.3	273.9	368.2	672.3	972.9	796.8	636.7	1890.6	3510.9	3446.8
80°	153.0	153.0	234.8	418.0	663.4	514.0	446.4	803.9	1111.6	976.4
82.5°	85.4	87.1	170.7	259.7	439.3	304.1	245.4	371.7	480.2	425.1
85°	35.6	39.1	104.9	122.7	209.9	151.2	99.6	156.5	177.9	158.3
87.5°	3.6	5.3	32.0	23.1	24.9	30.2	14.2	30.2	24.9	24.9
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°
4092.5	0°	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5	4092.5
4152.9	2.5°	4119.1	4092.5	4024.9	3946.6	3843.5	3793.7	3726.1	3679.8	3640.7	3644.3
4256.1	5°	4199.2	4131.6	3980.4	3791.9	3557.1	3389.9	3212.1	3089.3	2989.7	2968.4
4398.4	7.5°	4309.4	4202.7	3937.7	3598.0	3201.4	2900.8	2632.3	2459.7	2337.0	2297.9
4570.9	10°	4451.7	4297.0	3882.6	3354.4	2783.4	2401.0	2112.9	1977.8	1894.2	1865.7
4773.6	12.5°	4617.1	4405.5	3809.7	3057.3	2353.0	1984.9	1801.7	1734.1	1707.4	1698.5
5022.6	15°	4825.2	4540.6	3699.4	2705.2	1988.4	1730.5	1652.3	1643.4	1646.9	1643.4
5321.4	17.5°	5072.4	4688.3	3519.8	2342.4	1743.0	1600.7	1572.2	1579.4	1588.2	1586.5
5655.8	20°	5342.8	4834.1	3290.3	2020.4	1575.8	1508.2	1492.2	1499.3	1506.4	1502.9
6041.7	22.5°	5650.5	4990.6	3036.0	1769.7	1463.7	1422.8	1405.1	1406.8	1406.8	1399.7
6530.8	25°	6018.6	5163.1	2769.2	1591.8	1378.4	1346.4	1325.0	1317.9	1307.2	1285.9
7124.9	27.5°	6457.9	5346.3	2513.1	1467.3	1310.8	1280.6	1255.7	1237.9	1211.2	1175.6
7838.1	30°	6952.4	5568.7	2296.1	1389.1	1257.4	1227.2	1198.7	1172.1	1132.9	1088.5
8658.0	32.5°	7534.0	5807.0	2137.8	1337.5	1209.4	1177.4	1143.6	1111.6	1068.9	1024.4
9579.3	35°	8227.6	6095.1	2045.3	1301.9	1172.1	1129.4	1092.0	1056.5	1024.4	985.3
10580.6	37.5°	8979.9	6401.0	2016.9	1284.1	1147.2	1081.4	1038.7	1013.8	1010.2	987.1
11663.8	40°	9803.4	6763.8	2038.2	1273.4	1120.5	1035.1	988.9	983.5	992.4	951.5
12821.6	42.5°	10674.9	7194.2	2073.8	1261.0	1083.1	988.9	944.4	944.4	937.3	880.4
14045.2	45°	11617.5	7690.5	2109.4	1230.8	1038.7	942.6	908.8	896.4	866.2	811.0
15276.0	47.5°	12567.3	8195.6	2136.0	1175.6	985.3	903.5	873.3	844.8	800.3	750.5
16483.6	50°	13469.0	8649.1	2107.6	1093.8	924.8	866.2	834.1	795.0	747.0	713.2
17627.2	52.5°	14274.7	9042.2	1986.6	997.8	860.8	827.0	798.6	757.7	718.5	683.0
18658.8	55°	14975.4	9360.5	1773.2	907.1	803.9	793.2	764.8	713.2	659.8	629.6
19681.5	57.5°	15647.7	9602.4	1506.4	832.4	752.3	755.9	713.2	667.0	617.2	585.1
21059.8	60°	16542.3	9926.1	1236.1	763.0	697.2	707.9	661.6	627.8	565.6	524.7
23423.5	62.5°	17972.3	10429.4	981.8	677.6	633.2	636.7	617.2	576.3	501.6	453.5
25175.4	65°	19107.0	10244.5	773.7	585.1	560.2	565.6	565.6	521.1	441.1	385.9
25269.7	67.5°	18978.9	8771.8	617.2	494.4	490.9	494.4	506.9	469.5	391.3	346.8
23345.3	70°	17483.2	6977.3	494.4	410.8	426.9	418.0	453.5	428.6	352.2	307.7
18098.6	72.5°	14265.8	5026.2	377.1	339.7	327.3	341.5	409.1	385.9	293.5	243.7
9586.4	75°	8336.1	2682.1	281.0	268.6	236.5	284.6	362.8	329.0	224.1	179.6
2938.2	77.5°	2714.1	935.5	206.3	197.4	176.1	229.4	309.5	277.5	183.2	142.3
860.8	80°	727.4	282.8	140.5	129.8	113.8	170.7	245.4	220.5	131.6	92.5
369.9	82.5°	291.7	119.2	81.8	72.9	62.2	117.4	193.9	177.9	97.8	58.7
115.6	85°	94.3	39.1	30.2	23.1	28.5	72.9	115.6	120.9	69.4	30.2
17.8	87.5°	12.4	5.3	5.3	7.1	5.3	12.4	35.6	33.8	19.6	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°
4092.5
3608.7
2920.4
2258.8
1844.4
1693.2
1641.6
1582.9
1501.1
1396.2
1282.3
1172.1
1084.9
1026.2
981.8
985.3
953.3
880.4
809.2
748.8
707.9
679.4
626.1
581.6
519.3
450.0
380.6
339.7
302.4
238.3
174.3
136.9
90.7
58.7
23.1
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0.0

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