

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: P851495

Luminaire Tested: **GLAN-SB9C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851495
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-SB9C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA 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: 48116 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

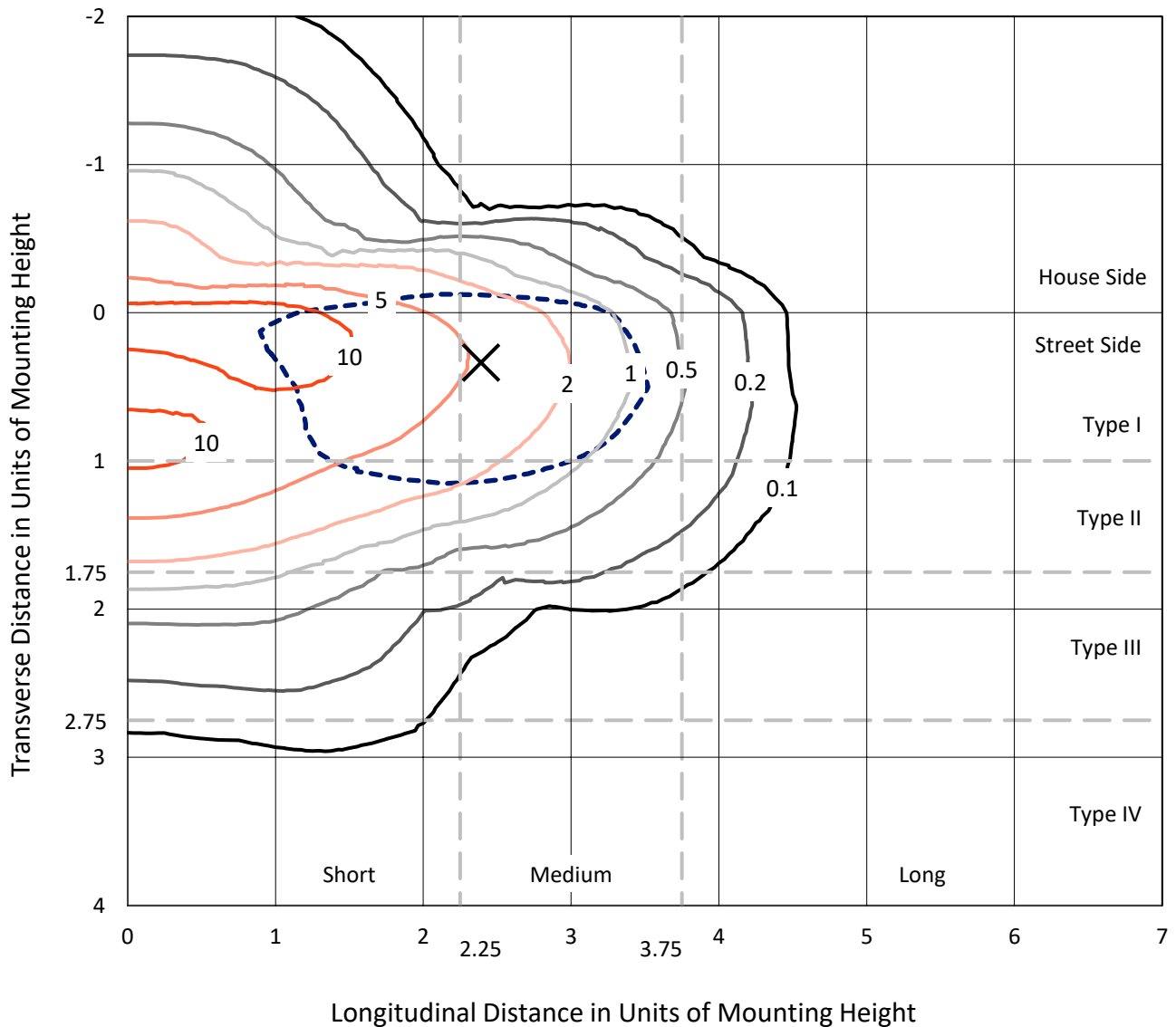
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

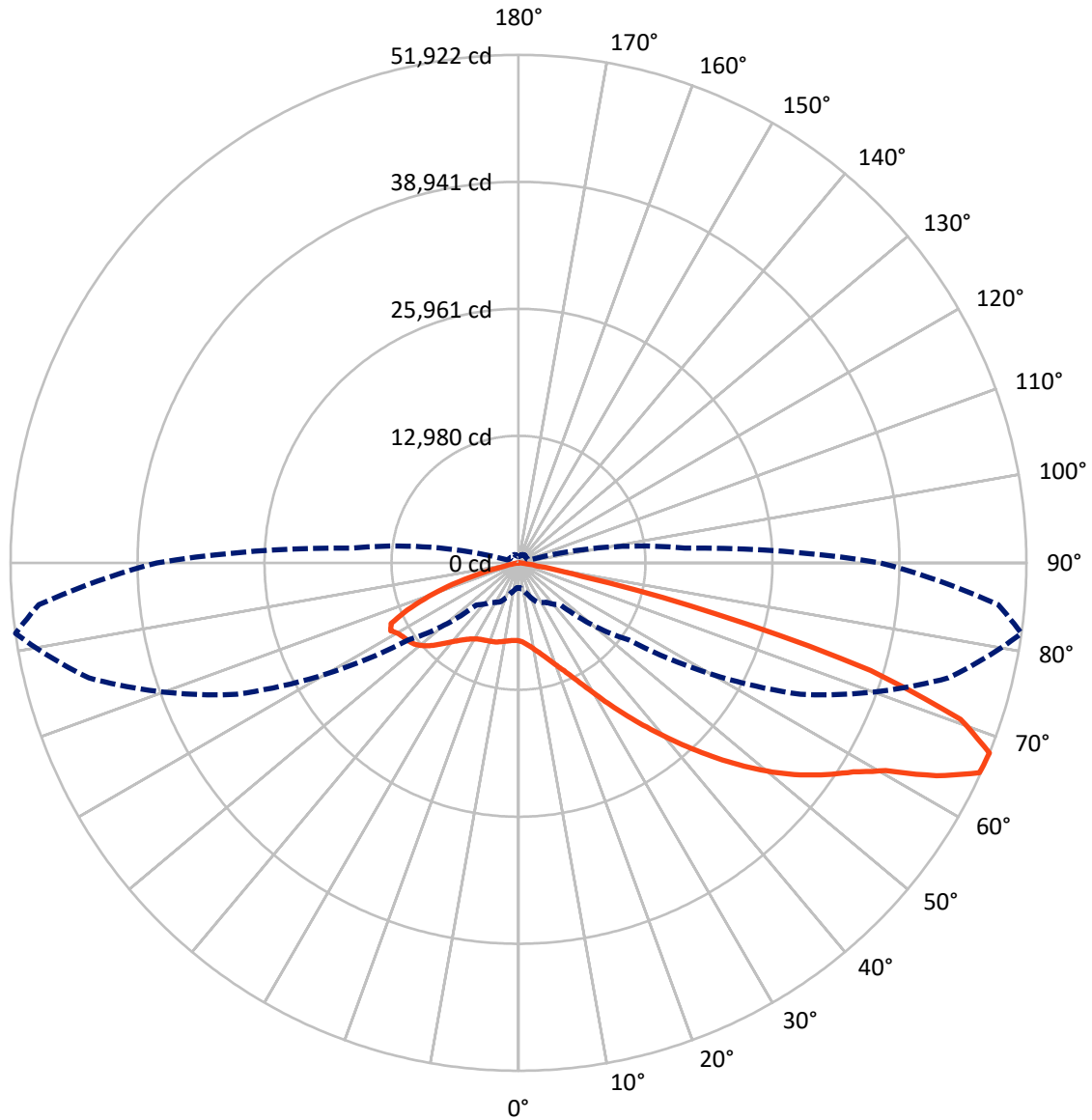
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 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	8715.8	0.0	8715.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	39400.2	0.0	39400.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	48116.0	0.0	48116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.2	1.5
10°-20°	1845.5	3.8
20°-30°	2955.8	6.1
30°-40°	5226.8	10.9
40°-50°	9157.9	19.0
50°-60°	12214.1	25.4
60°-70°	11370.7	23.6
70°-80°	4364.1	9.1
80°-90°	271.1	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°	48116.0	100.0
0°-180°	48116.0	100.0

Coefficient of Utilization

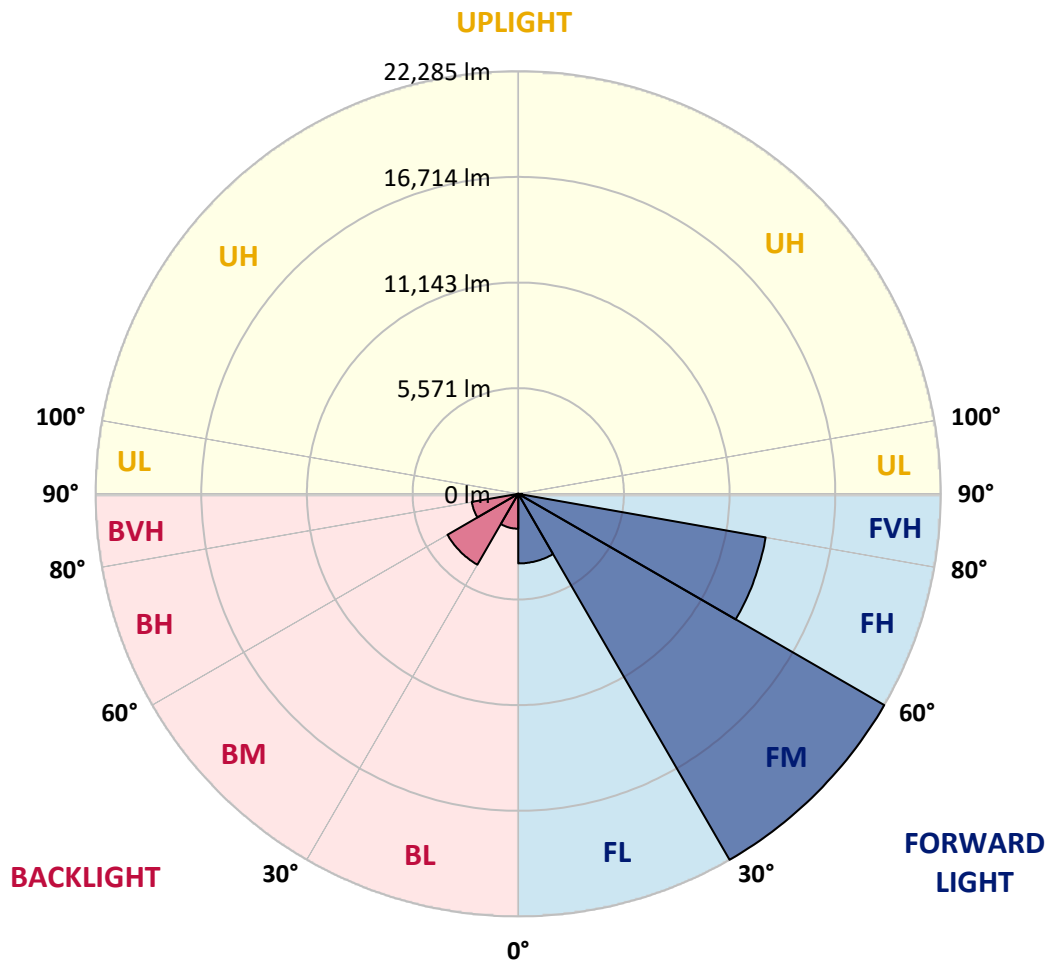


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3670.7	7.6			
FM (30°-60°)	22285.4	46.3			
FH (60°-80°)	13247.1	27.5			G5
FVH (80°-90°)	197.1	0.4			G2/225
BL (0°-30°)	1840.7	3.8	B3/2500		
BM (30°-60°)	4313.4	9.0	B3/5000		
BH (60°-80°)	2487.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	74.0	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-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2
2.5°	8425.0	8473.5	8445.8	8431.9	8407.7	8373.0	8345.3	8258.7	8168.7	8109.8
5°	8594.8	8643.3	8639.8	8653.6	8671.0	8681.4	8674.4	8577.4	8449.3	8348.8
7.5°	8449.3	8504.7	8549.7	8619.0	8740.3	8868.4	8930.8	8910.0	8778.4	8639.8
10°	8037.0	8095.9	8203.3	8366.1	8622.5	8899.6	9131.7	9239.1	9156.0	9003.5
12.5°	7281.8	7340.7	7552.0	7905.4	8334.9	8816.5	9259.9	9547.4	9568.2	9415.8
15°	6433.1	6492.0	6717.1	7160.6	7815.3	8587.8	9329.2	9873.1	10056.7	9925.0
17.5°	5906.5	5958.5	6128.2	6485.0	7167.5	8130.5	9304.9	10219.5	10638.6	10534.7
20°	5747.2	5792.2	5871.9	6121.3	6689.4	7655.9	9145.6	10545.1	11265.7	11206.8
22.5°	5916.9	5958.5	5982.7	6093.6	6450.4	7344.2	8944.6	10877.7	11993.2	12000.1
25°	6308.4	6349.9	6322.2	6391.5	6547.4	7247.2	8868.4	11269.1	12907.7	12983.9
27.5°	6952.7	6956.2	6890.4	6886.9	6911.1	7392.7	8948.1	11688.3	14061.3	14203.3
30°	8244.9	8192.9	7940.0	7666.3	7541.6	7829.2	9169.8	12183.7	15422.8	15675.6
32.5°	10236.8	10160.6	9696.4	9041.6	8383.4	8532.4	9568.2	12748.4	16905.4	17362.7
35°	12398.5	12377.7	11892.7	10919.3	9769.1	9533.6	10216.0	13489.7	18523.2	19250.7
37.5°	14407.7	14397.3	14120.2	12973.5	11574.0	10929.6	11255.3	14459.7	20255.4	21308.5
40°	16243.8	16275.0	15997.8	14972.4	13562.5	12720.7	12668.7	15658.3	22181.5	23549.8
42.5°	17830.4	17865.0	17584.4	16825.8	15526.7	14702.2	14404.3	17127.2	24062.5	25957.5
45°	18907.8	19122.5	19081.0	18474.7	17542.9	16687.2	16489.7	18970.1	26206.9	28510.6
47.5°	19212.6	19410.1	19721.9	19805.0	19236.9	18395.1	18630.6	21190.7	28375.5	31067.2
50°	18460.9	18644.5	19292.3	20154.9	20549.8	20290.0	20712.6	23570.6	30596.1	33616.9
52.5°	16978.2	17165.3	17982.8	19347.7	20958.6	21776.1	22801.6	25915.9	32747.4	36031.5
55°	14833.8	15031.3	16081.0	17626.0	20179.1	22389.3	24544.1	28257.7	34718.5	38203.5
57.5°	11917.0	12062.4	13153.7	15315.4	18218.4	21779.6	25829.3	30814.3	36575.3	40337.5
60°	7766.8	7895.0	9162.9	11574.0	14968.9	19742.6	26085.7	33665.4	39041.9	43112.3
62.5°	5165.2	5251.8	6003.5	7773.7	10541.7	15831.5	24585.6	35941.4	42658.5	47941.5
65°	3543.9	3630.5	4382.3	5615.5	6810.7	10472.4	20272.7	35640.0	45935.7	51776.4
67.5°	2528.9	2601.6	3239.1	4403.0	4929.6	6083.2	13742.6	31787.8	45464.6	51921.9
70°	1811.8	1853.4	2379.9	3429.6	3918.0	3654.8	7642.1	24312.0	39807.5	47944.9
72.5°	1267.9	1281.8	1652.4	2612.0	3155.9	2667.5	3637.4	16209.1	30107.6	37631.9
75°	859.1	876.5	1112.0	1915.7	2532.4	2037.0	1926.1	8691.8	17674.5	20830.4
77.5°	526.6	533.5	717.1	1309.5	1894.9	1552.0	1240.2	3682.5	6838.4	6713.7
80°	297.9	297.9	457.3	814.1	1292.2	1001.2	869.5	1565.8	2165.1	1901.9
82.5°	166.3	169.7	332.6	505.8	855.7	592.4	478.1	724.0	935.3	828.0
85°	69.3	76.2	204.4	239.0	408.8	294.5	194.0	304.9	346.4	308.3
87.5°	6.9	10.4	62.4	45.0	48.5	58.9	27.7	58.9	48.5	48.5
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°
7971.2	0°	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2	7971.2
8089.0	2.5°	8023.2	7971.2	7839.6	7687.1	7486.2	7389.2	7257.6	7167.5	7091.3	7098.2
8289.9	5°	8179.0	8047.4	7752.9	7385.7	6928.5	6602.8	6256.4	6017.4	5823.4	5781.8
8567.0	7.5°	8393.8	8186.0	7669.8	7008.1	6235.6	5650.2	5127.1	4791.0	4552.0	4475.8
8903.1	10°	8671.0	8369.6	7562.4	6533.5	5421.5	4676.7	4115.5	3852.2	3689.4	3634.0
9298.0	12.5°	8993.1	8580.9	7420.4	5955.0	4583.2	3866.1	3509.3	3377.6	3325.7	3308.3
9783.0	15°	9398.5	8844.2	7205.6	5269.1	3873.0	3370.7	3218.3	3200.9	3207.9	3200.9
10365.0	17.5°	9880.0	9131.7	6855.7	4562.4	3394.9	3117.8	3062.4	3076.2	3093.6	3090.1
11016.3	20°	10406.5	9415.8	6408.8	3935.4	3069.3	2937.7	2906.5	2920.3	2934.2	2927.3
11768.0	22.5°	11005.9	9720.6	5913.4	3446.9	2851.1	2771.4	2736.7	2740.2	2740.2	2726.3
12720.7	25°	11723.0	10056.7	5393.8	3100.5	2684.8	2622.4	2580.9	2567.0	2546.2	2504.6
13877.7	27.5°	12578.6	10413.5	4895.0	2858.0	2553.1	2494.2	2445.7	2411.1	2359.1	2289.9
15266.9	30°	13541.7	10846.5	4472.3	2705.6	2449.2	2390.3	2334.9	2282.9	2206.7	2120.1
16863.9	32.5°	14674.5	11310.7	4164.0	2605.1	2355.7	2293.3	2227.5	2165.1	2082.0	1995.4
18658.3	35°	16025.5	11871.9	3983.9	2535.8	2282.9	2199.8	2127.0	2057.8	1995.4	1919.2
20608.7	37.5°	17490.9	12467.8	3928.4	2501.2	2234.4	2106.3	2023.1	1974.6	1967.7	1922.6
22718.4	40°	19094.8	13174.5	3970.0	2480.4	2182.5	2016.2	1926.1	1915.7	1933.0	1853.4
24973.6	42.5°	20792.3	14012.8	4039.3	2456.1	2109.7	1926.1	1839.5	1839.5	1825.6	1714.8
27357.0	45°	22628.3	14979.3	4108.6	2397.2	2023.1	1836.0	1770.2	1746.0	1687.1	1579.7
29754.3	47.5°	24478.2	15963.2	4160.5	2289.9	1919.2	1759.8	1700.9	1645.5	1558.9	1461.9
32106.5	50°	26234.6	16846.5	4105.1	2130.5	1801.4	1687.1	1624.7	1548.5	1455.0	1389.2
34334.0	52.5°	27803.9	17612.1	3869.5	1943.4	1676.7	1610.9	1555.4	1475.8	1399.5	1330.3
36343.2	55°	29168.8	18232.2	3453.8	1766.8	1565.8	1545.0	1489.6	1389.2	1285.2	1226.3
38335.2	57.5°	30478.3	18703.4	2934.2	1621.3	1465.4	1472.3	1389.2	1299.1	1202.1	1139.7
41019.9	60°	32220.8	19333.9	2407.6	1486.2	1358.0	1378.8	1288.7	1222.9	1101.6	1021.9
45623.9	62.5°	35006.0	20314.2	1912.3	1319.9	1233.3	1240.2	1202.1	1122.4	976.9	883.4
49036.2	65°	37216.2	19954.0	1506.9	1139.7	1091.2	1101.6	1101.6	1015.0	859.1	751.7
49219.8	67.5°	36966.8	17085.6	1202.1	963.1	956.1	963.1	987.3	914.6	762.1	675.5
45471.5	70°	34053.4	13590.2	963.1	800.2	831.4	814.1	883.4	834.9	685.9	599.3
35252.0	72.5°	27786.6	9789.9	734.4	661.7	637.4	665.1	796.8	751.7	571.6	474.6
18672.2	75°	16236.8	5224.1	547.3	523.1	460.7	554.3	706.7	640.9	436.5	349.9
5722.9	77.5°	5286.4	1822.2	401.9	384.5	343.0	446.9	602.8	540.4	356.8	277.1
1676.7	80°	1416.9	550.8	273.7	252.9	221.7	332.6	478.1	429.6	256.4	180.1
720.6	82.5°	568.1	232.1	159.4	142.0	121.2	228.6	377.6	346.4	190.5	114.3
225.2	85°	183.6	76.2	58.9	45.0	55.4	142.0	225.2	235.6	135.1	58.9
34.6	87.5°	24.2	10.4	10.4	13.9	10.4	24.2	69.3	65.8	38.1	6.9
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°
7971.2
7028.9
5688.3
4399.6
3592.4
3297.9
3197.5
3083.2
2923.8
2719.4
2497.7
2282.9
2113.2
1998.9
1912.3
1919.2
1856.8
1714.8
1576.2
1458.4
1378.8
1323.3
1219.4
1132.8
1011.6
876.5
741.3
661.7
588.9
464.2
339.5
266.7
176.7
114.3
45.0
0.0
0.0

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