

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: P850815

Luminaire Tested: **GLAN-SB8C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850815
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-SB8C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 42716 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

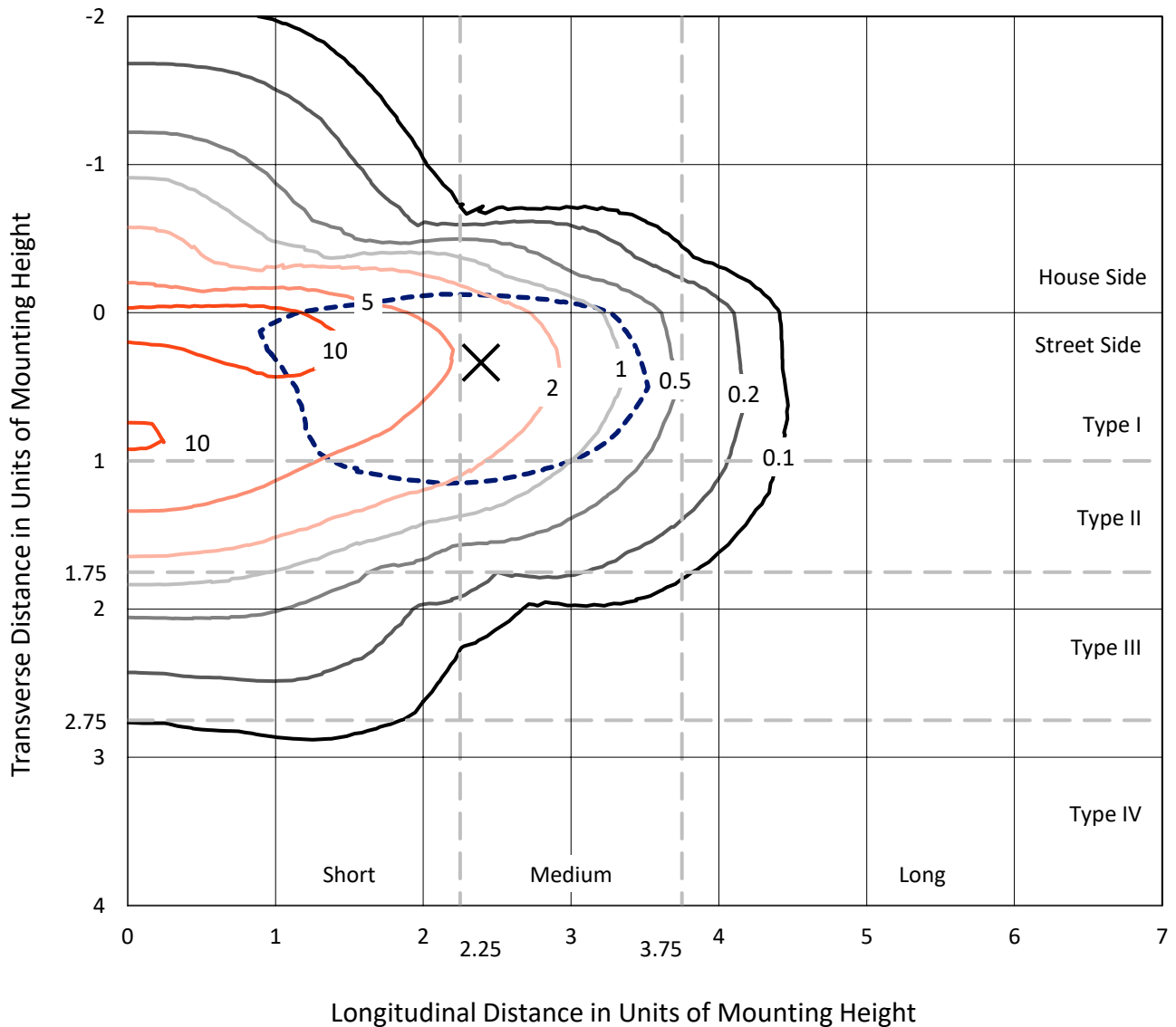
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

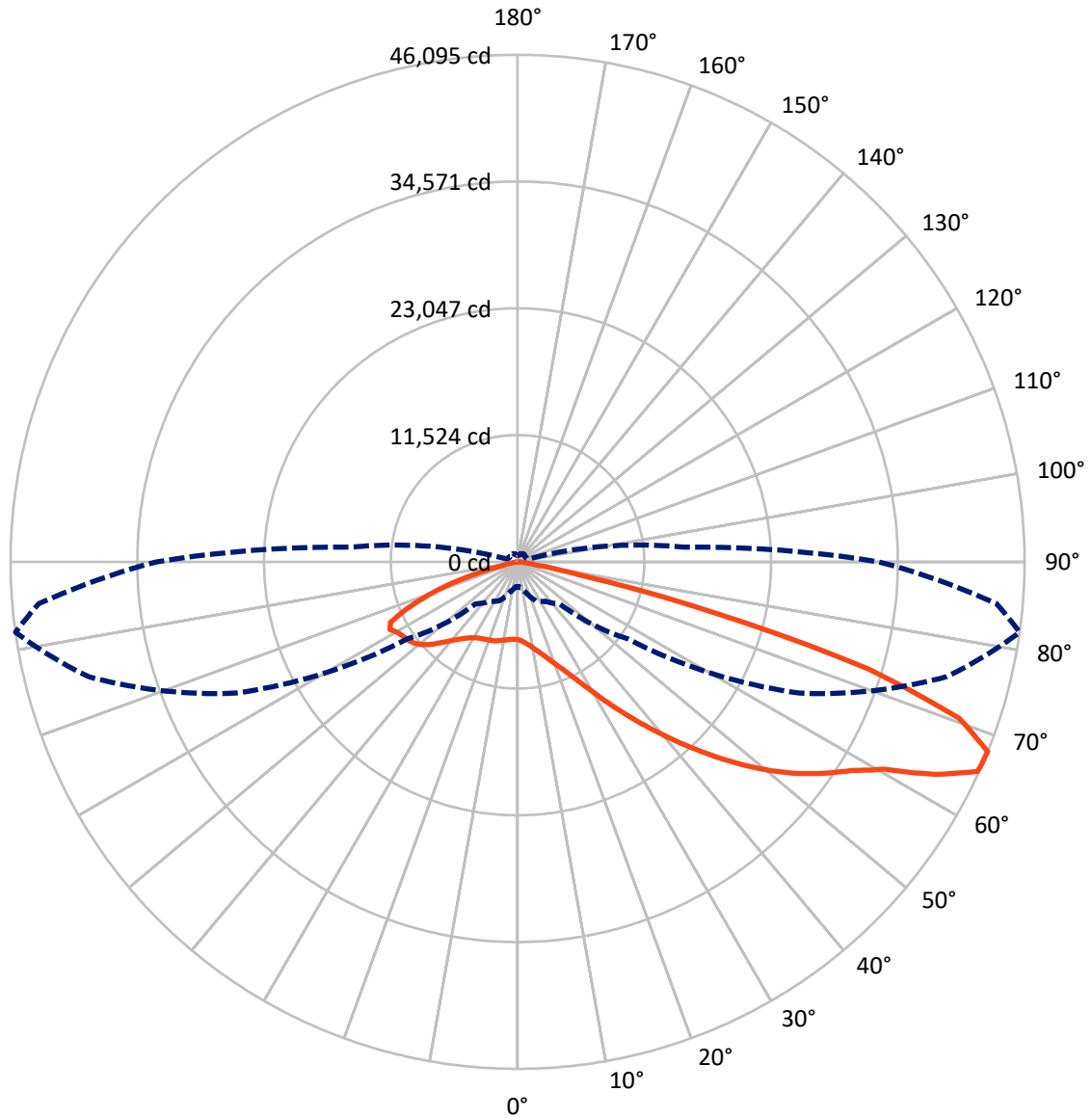
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 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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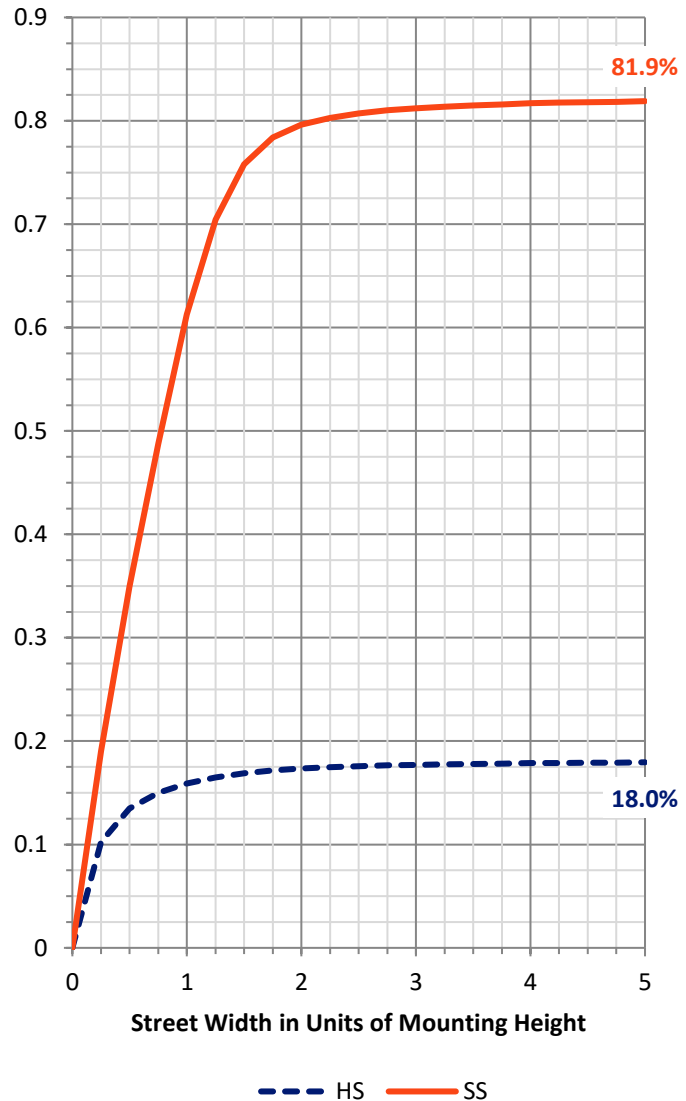
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7737.6	0.0	7737.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	34978.4	0.0	34978.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	42716.0	0.0	42716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.5	1.5
10°-20°	1638.3	3.8
20°-30°	2624.1	6.1
30°-40°	4640.2	10.9
40°-50°	8130.1	19.0
50°-60°	10843.3	25.4
60°-70°	10094.6	23.6
70°-80°	3874.3	9.1
80°-90°	240.6	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°	42716.0	100.0
0°-180°	42716.0	100.0

Coefficient of Utilization

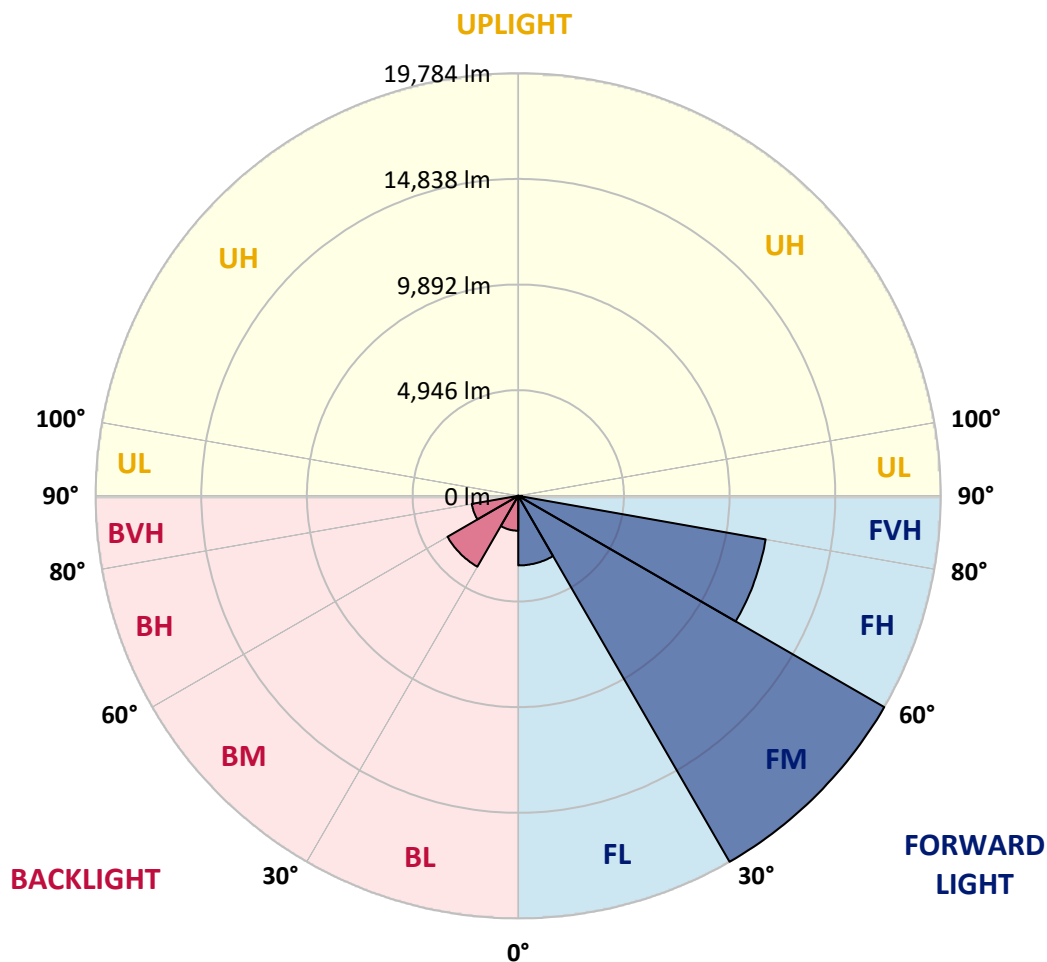


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3258.8	7.6			
FM (30°-60°)	19784.3	46.3			
FH (60°-80°)	11760.4	27.5			G4/12000
FVH (80°-90°)	174.9	0.4			G2/225
BL (0°-30°)	1634.2	3.8	B3/2500		
BM (30°-60°)	3829.3	9.0	B3/5000		
BH (60°-80°)	2208.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	65.7	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
2.5°	7479.5	7522.5	7497.9	7485.6	7464.1	7433.3	7408.7	7331.9	7251.9	7199.6
5°	7630.2	7673.2	7670.2	7682.5	7697.8	7707.1	7700.9	7614.8	7501.0	7411.8
7.5°	7501.0	7550.2	7590.2	7651.7	7759.3	7873.1	7928.5	7910.0	7793.2	7670.2
10°	7135.0	7187.3	7282.7	7427.2	7654.8	7900.8	8106.9	8202.2	8128.4	7993.1
12.5°	6464.6	6516.9	6704.5	7018.2	7399.5	7827.0	8220.7	8475.9	8494.4	8359.1
15°	5711.1	5763.4	5963.3	6356.9	6938.2	7624.0	8282.2	8765.0	8928.0	8811.1
17.5°	5243.6	5289.8	5440.5	5757.2	6363.1	7218.1	8260.6	9072.6	9444.7	9352.4
20°	5102.2	5142.1	5212.9	5434.3	5938.7	6796.7	8119.2	9361.7	10001.3	9949.1
22.5°	5252.9	5289.8	5311.3	5409.7	5726.5	6519.9	7940.8	9656.9	10647.2	10653.3
25°	5600.4	5637.3	5612.7	5674.2	5812.6	6433.8	7873.1	10004.4	11459.1	11526.8
27.5°	6172.4	6175.5	6117.1	6114.0	6135.5	6563.0	7943.9	10376.5	12483.2	12609.3
30°	7319.6	7273.4	7048.9	6806.0	6695.2	6950.5	8140.7	10816.3	13691.9	13916.4
32.5°	9087.9	9020.3	8608.2	8026.9	7442.6	7574.8	8494.4	11317.6	15008.2	15414.1
35°	11007.0	10988.6	10558.0	9693.8	8672.8	8463.6	9069.5	11975.8	16444.4	17090.2
37.5°	12790.8	12781.5	12535.5	11517.5	10275.1	9703.0	9992.1	12836.9	17982.1	18917.1
40°	14420.8	14448.4	14202.4	13292.1	12040.4	11293.0	11246.9	13901.0	19692.1	20906.9
42.5°	15829.3	15860.1	15611.0	14937.4	13784.1	13052.2	12787.7	15205.0	21362.0	23044.3
45°	16785.8	16976.4	16939.5	16401.3	15574.0	14814.4	14639.1	16841.1	23265.7	25310.9
47.5°	17056.4	17231.7	17508.5	17582.3	17077.9	16330.6	16539.7	18812.5	25191.0	27580.6
50°	16389.0	16552.0	17127.1	17892.9	18243.5	18012.9	18388.1	20925.3	27162.3	29844.1
52.5°	15072.7	15238.8	15964.6	17176.4	18606.4	19332.2	20242.6	23007.4	29072.2	31987.7
55°	13169.0	13344.3	14276.2	15647.9	17914.5	19876.6	21789.5	25086.4	30822.1	33916.0
57.5°	10579.5	10708.7	11677.5	13596.5	16173.8	19335.3	22930.5	27356.1	32470.5	35810.5
60°	6895.1	7008.9	8134.5	10275.1	13289.0	17527.0	23158.1	29887.2	34660.2	38273.9
62.5°	4585.5	4662.4	5329.7	6901.3	9358.6	14054.8	21826.4	31907.7	37871.0	42561.1
65°	3146.2	3223.1	3890.4	4985.3	6046.3	9297.1	17997.5	31640.2	40780.4	45965.6
67.5°	2245.1	2309.7	2875.5	3908.9	4376.4	5400.5	12200.3	28220.3	40362.1	46094.7
70°	1608.5	1645.4	2112.8	3044.7	3478.3	3244.6	6784.4	21583.5	35339.9	42564.1
72.5°	1125.6	1137.9	1467.0	2318.9	2801.7	2368.1	3229.2	14390.0	26728.7	33408.5
75°	762.7	778.1	987.2	1700.7	2248.1	1808.4	1709.9	7716.3	15690.9	18492.6
77.5°	467.5	473.6	636.6	1162.5	1682.3	1377.8	1101.0	3269.2	6070.9	5960.2
80°	264.5	264.5	406.0	722.7	1147.1	888.8	771.9	1390.1	1922.2	1688.4
82.5°	147.6	150.7	295.2	449.0	759.6	525.9	424.4	642.8	830.4	735.0
85°	61.5	67.7	181.5	212.2	362.9	261.4	172.2	270.6	307.5	273.7
87.5°	6.2	9.2	55.4	40.0	43.1	52.3	24.6	52.3	43.1	43.1
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°
7076.6	0°	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6	7076.6
7181.2	2.5°	7122.7	7076.6	6959.7	6824.4	6646.0	6559.9	6443.1	6363.1	6295.4	6301.6
7359.5	5°	7261.1	7144.3	6882.8	6556.8	6150.9	5861.8	5554.3	5342.0	5169.8	5132.9
7605.6	7.5°	7451.8	7267.3	6809.0	6221.6	5535.8	5016.0	4551.7	4253.3	4041.1	3973.5
7903.9	10°	7697.8	7430.3	6713.7	5800.3	4813.1	4151.8	3653.6	3419.9	3275.3	3226.1
8254.5	12.5°	7983.9	7617.9	6587.6	5286.7	4068.8	3432.2	3115.4	2998.6	2952.4	2937.0
8685.1	15°	8343.7	7851.6	6396.9	4677.7	3438.3	2992.4	2857.1	2841.7	2847.9	2841.7
9201.7	17.5°	8771.2	8106.9	6086.3	4050.4	3013.9	2767.9	2718.7	2731.0	2746.4	2743.3
9779.9	20°	9238.6	8359.1	5689.6	3493.7	2724.8	2608.0	2580.3	2592.6	2604.9	2598.7
10447.3	22.5°	9770.7	8629.7	5249.8	3060.1	2531.1	2460.4	2429.6	2432.7	2432.7	2420.4
11293.0	25°	10407.3	8928.0	4788.5	2752.5	2383.5	2328.1	2291.2	2278.9	2260.5	2223.5
12320.2	27.5°	11166.9	9244.8	4345.6	2537.2	2266.6	2214.3	2171.3	2140.5	2094.4	2032.9
13553.5	30°	12021.9	9629.2	3970.4	2401.9	2174.3	2122.1	2072.8	2026.7	1959.1	1882.2
14971.3	32.5°	13027.6	10041.3	3696.7	2312.7	2091.3	2035.9	1977.5	1922.2	1848.3	1771.5
16564.3	35°	14227.0	10539.5	3536.8	2251.2	2026.7	1952.9	1888.3	1826.8	1771.5	1703.8
18295.8	37.5°	15527.9	11068.5	3487.6	2220.5	1983.7	1869.9	1796.1	1753.0	1746.9	1706.9
20168.8	40°	16951.8	11695.9	3524.5	2202.0	1937.5	1789.9	1709.9	1700.7	1716.1	1645.4
22170.9	42.5°	18458.8	12440.2	3586.0	2180.5	1872.9	1709.9	1633.1	1633.1	1620.8	1522.3
24286.8	45°	20088.8	13298.2	3647.5	2128.2	1796.1	1630.0	1571.6	1550.0	1497.7	1402.4
26415.0	47.5°	21731.1	14171.6	3693.6	2032.9	1703.8	1562.3	1510.0	1460.8	1383.9	1297.8
28503.2	50°	23290.3	14955.9	3644.4	1891.4	1599.2	1497.7	1442.4	1374.7	1291.7	1233.3
30480.7	52.5°	24683.5	15635.6	3435.3	1725.3	1488.5	1430.1	1380.9	1310.1	1242.5	1181.0
32264.5	55°	25895.2	16186.1	3066.2	1568.5	1390.1	1371.6	1322.4	1233.3	1141.0	1088.7
34032.9	57.5°	27057.8	16604.3	2604.9	1439.3	1300.9	1307.1	1233.3	1153.3	1067.2	1011.8
36416.3	60°	28604.7	17164.1	2137.4	1319.4	1205.6	1224.0	1144.1	1085.6	978.0	907.3
40503.6	62.5°	31077.4	18034.4	1697.6	1171.7	1094.9	1101.0	1067.2	996.4	867.3	784.2
43532.9	65°	33039.5	17714.6	1337.8	1011.8	968.8	978.0	978.0	901.1	762.7	667.4
43695.9	67.5°	32818.1	15168.1	1067.2	855.0	848.8	855.0	876.5	811.9	676.6	599.7
40368.3	70°	30231.6	12065.0	855.0	710.4	738.1	722.7	784.2	741.2	608.9	532.1
31295.7	72.5°	24668.1	8691.2	652.0	587.4	565.9	590.5	707.4	667.4	507.4	421.3
16576.6	75°	14414.6	4637.8	485.9	464.4	409.0	492.1	627.4	569.0	387.5	310.6
5080.6	77.5°	4693.1	1617.7	356.8	341.4	304.5	396.7	535.1	479.8	316.8	246.0
1488.5	80°	1257.9	489.0	243.0	224.5	196.8	295.2	424.4	381.4	227.6	159.9
639.7	82.5°	504.4	206.1	141.5	126.1	107.6	203.0	335.2	307.5	169.1	101.5
199.9	85°	163.0	67.7	52.3	40.0	49.2	126.1	199.9	209.1	119.9	52.3
30.8	87.5°	21.5	9.2	9.2	12.3	9.2	21.5	61.5	58.4	33.8	6.2
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°
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7076.6
6240.1
5049.9
3905.8
3189.2
2927.8
2838.6
2737.1
2595.7
2414.2
2217.4
2026.7
1876.0
1774.5
1697.6
1703.8
1648.4
1522.3
1399.3
1294.8
1224.0
1174.8
1082.6
1005.7
898.0
778.1
658.1
587.4
522.8
412.1
301.4
236.8
156.8
101.5
40.0
0.0
0.0

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