

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: P852801

Luminaire Tested: **GLAN-SB6C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43359 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

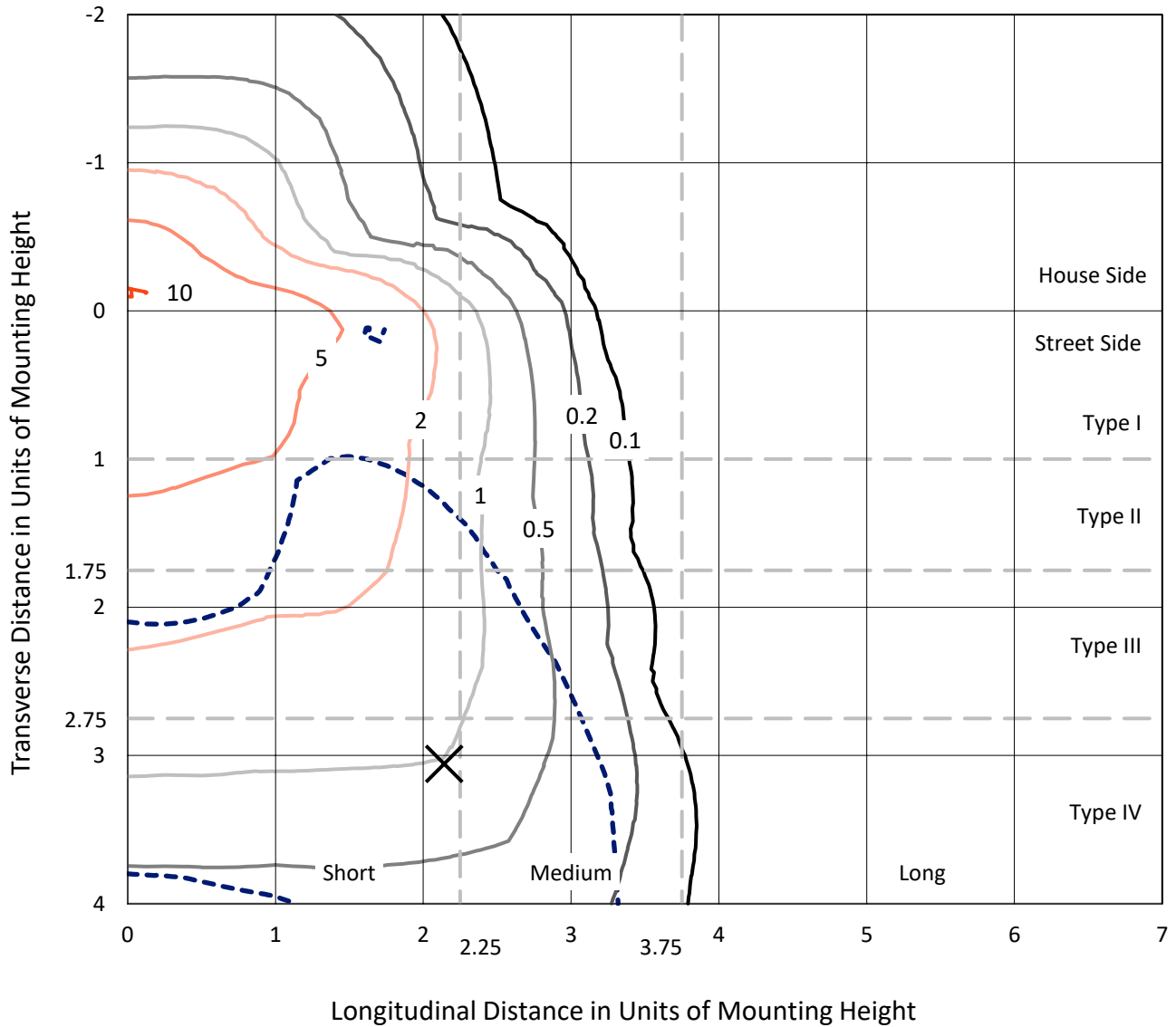
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

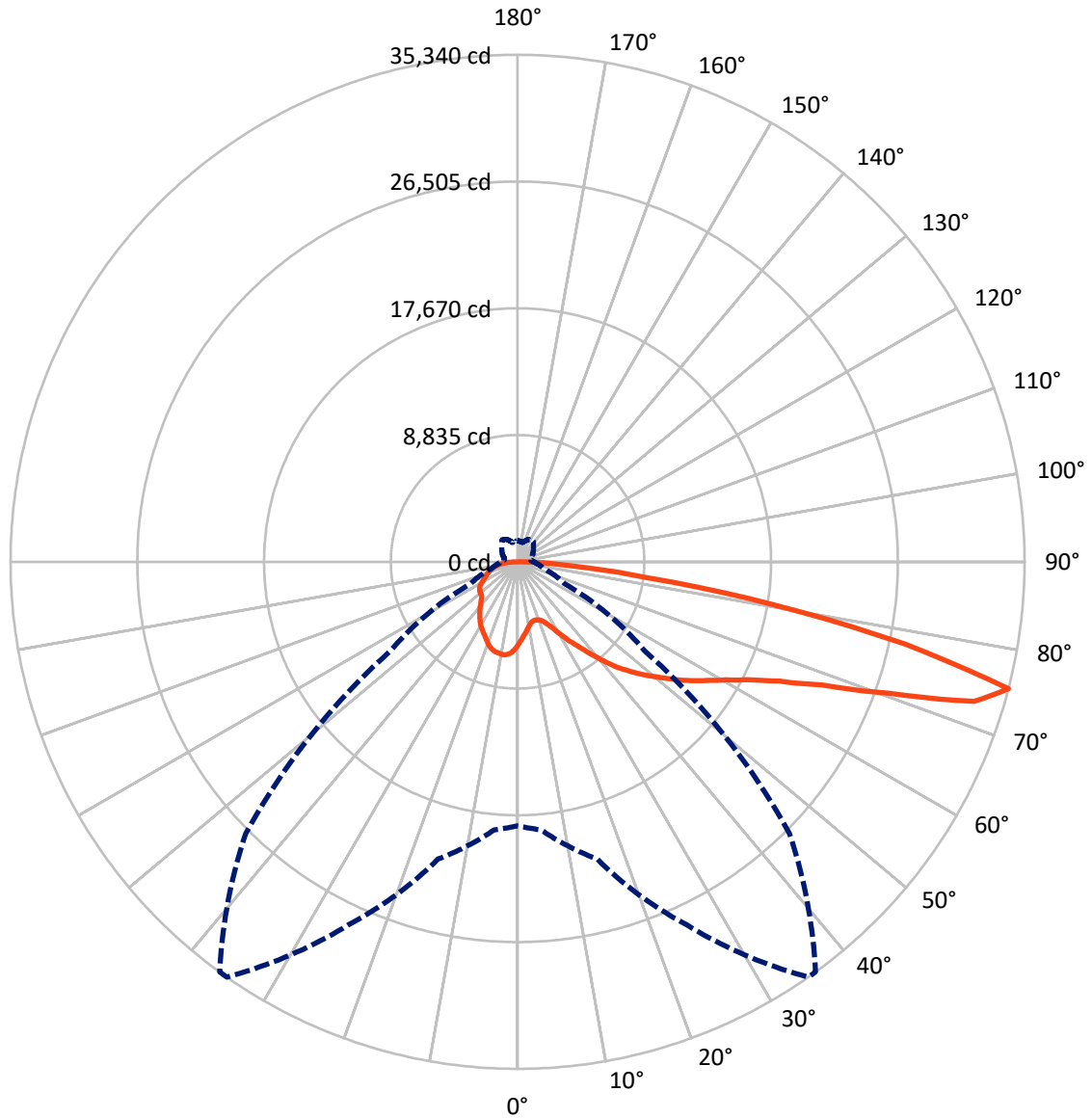
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10318.4	0.0	10318.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	33040.6	0.0	33040.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	43359.0	0.0	43359.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.0	1.3
10°-20°	1577.9	3.6
20°-30°	2649.8	6.1
30°-40°	4118.1	9.5
40°-50°	6112.3	14.1
50°-60°	8438.4	19.5
60°-70°	10237.8	23.6
70°-80°	8460.7	19.5
80°-90°	1216.9	2.8
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°	43359.0	100.0
0°-180°	43359.0	100.0

Coefficient of Utilization

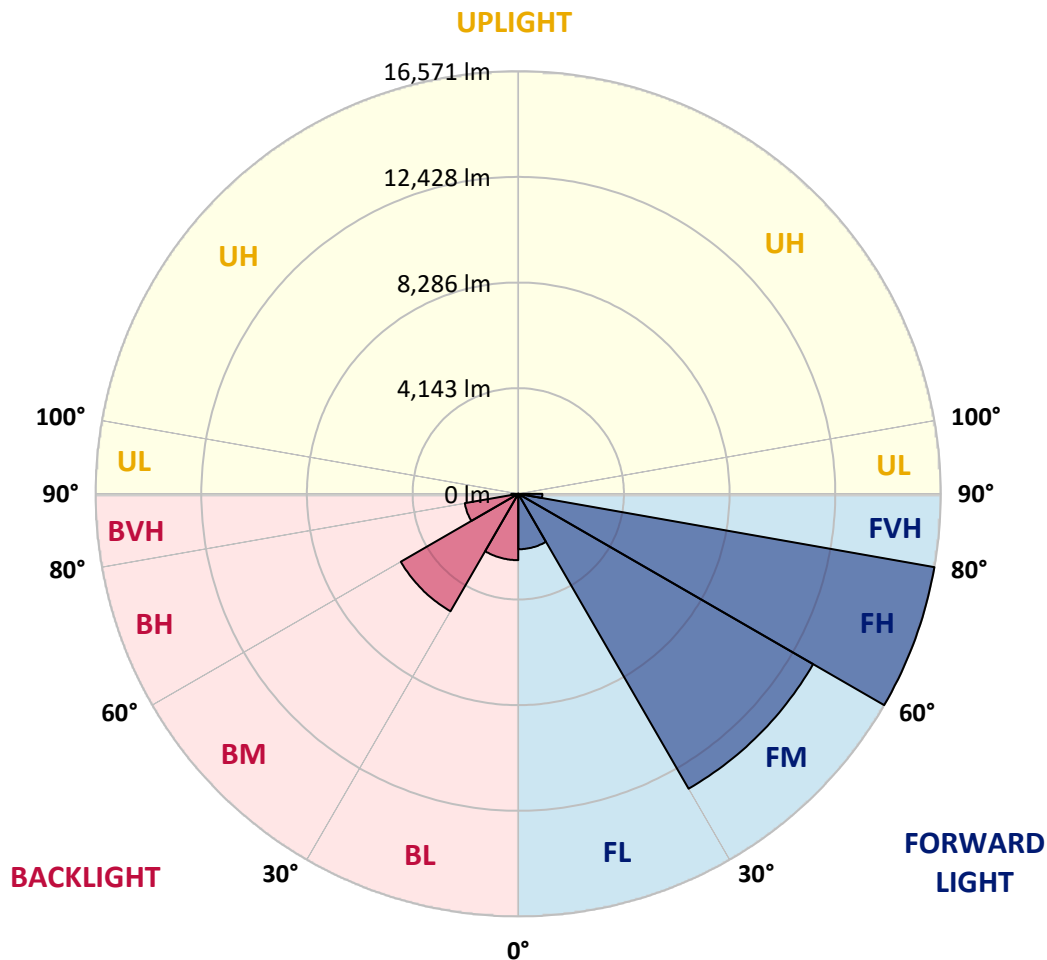


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2174.4	5.0			
FM (30°-60°)	13352.2	30.8			
FH (60°-80°)	16571.2	38.2			G5
FVH (80°-90°)	942.9	2.2			G5
BL (0°-30°)	2600.4	6.0	B4/5000		
BM (30°-60°)	5316.6	12.3	B4/8500		
BH (60°-80°)	2127.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	274.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9
2.5°	5327.8	5360.7	5374.7	5367.7	5402.8	5398.2	5447.4	5508.3	5592.7	5674.7
5°	4917.6	4952.8	4983.3	5011.4	5079.4	5100.5	5177.8	5295.0	5449.7	5606.8
7.5°	4535.6	4566.0	4612.9	4664.5	4779.3	4800.4	4929.4	5112.2	5327.8	5557.5
10°	4223.8	4254.3	4303.5	4362.1	4505.1	4530.9	4695.0	4938.7	5220.0	5510.7
12.5°	4090.2	4099.6	4127.7	4186.3	4310.6	4327.0	4507.4	4786.4	5114.5	5475.5
15°	4083.2	4101.9	4104.3	4134.8	4237.9	4244.9	4411.3	4687.9	5048.9	5468.5
17.5°	4153.5	4167.6	4146.5	4165.2	4252.0	4263.7	4394.9	4641.1	5027.8	5498.9
20°	4341.0	4352.7	4289.5	4263.7	4327.0	4336.3	4465.3	4671.5	5048.9	5562.2
22.5°	4739.5	4746.5	4591.8	4486.4	4491.0	4495.7	4608.2	4795.8	5130.9	5677.1
25°	5360.7	5356.0	5109.8	4905.9	4788.7	4762.9	4837.9	4997.3	5269.2	5829.4
27.5°	6087.3	6052.1	5806.0	5501.3	5245.8	5208.3	5191.9	5259.9	5466.1	6031.0
30°	6907.7	6874.9	6610.0	6211.5	5857.6	5796.6	5641.9	5606.8	5759.1	6305.3
32.5°	7807.8	7786.7	7470.2	6987.4	6513.9	6443.6	6183.4	6089.6	6209.2	6720.2
35°	8562.5	8543.8	8281.2	7784.3	7205.4	7118.6	6853.8	6748.3	6809.2	7252.2
37.5°	9244.6	9235.2	9010.2	8618.8	8021.1	7915.6	7617.9	7582.7	7571.0	7953.1
40°	9877.5	9854.0	9619.6	9413.4	8970.4	8874.3	8611.7	8581.3	8492.2	8815.7
42.5°	10578.3	10517.4	10177.5	10081.4	9961.9	9882.2	9725.1	9729.8	9532.9	9788.4
45°	11150.3	11115.1	10765.8	10709.6	10838.5	10805.7	10941.6	10976.8	10594.7	10808.0
47.5°	11764.4	11731.6	11436.2	11396.4	11745.6	11755.0	12235.5	12247.2	11630.8	11867.5
50°	12521.5	12474.6	12181.6	12230.8	12622.3	12657.4	13536.4	13456.7	12584.8	12943.4
52.5°	13020.7	13048.9	12985.6	13065.3	13599.7	13632.5	14816.2	14612.3	13529.4	14005.2
55°	13388.7	13445.0	13641.9	13824.7	14631.0	14663.9	16023.4	15711.6	14312.3	14989.7
57.5°	13862.2	13782.5	14150.5	14506.8	15610.8	15697.6	17197.7	16771.1	15006.1	15838.2
60°	14542.0	14485.7	14771.7	15299.1	16707.8	16846.1	18440.0	17725.1	15514.7	16510.9
62.5°	15920.2	15779.6	15824.1	16290.6	18090.7	18273.6	19841.7	18557.2	15767.9	16773.4
65°	17980.6	17739.1	17514.1	17837.6	20038.6	20219.1	21423.9	19211.2	15674.1	16264.8
67.5°	20575.3	20336.3	20059.7	20364.4	22907.6	23050.6	23376.4	19579.2	14935.8	14305.2
70°	22715.4	22626.3	22956.8	24210.8	27490.1	27494.7	25879.7	19274.4	12912.9	10142.3
72.5°	22431.8	22377.9	24119.4	27996.3	33265.6	33141.4	28249.5	16968.0	8698.5	4575.4
75°	18402.5	18751.7	21449.6	27928.4	35340.0	35323.6	26798.6	10786.9	3598.0	1896.3
77.5°	9868.1	10421.3	13925.5	20619.9	27588.5	28003.4	18840.8	3773.8	1544.7	1214.2
80°	3218.3	3701.1	5550.5	10498.6	17926.7	17849.3	8075.0	1481.4	1057.1	860.2
82.5°	1366.5	1422.8	2479.9	4957.5	9200.1	9057.1	2571.3	850.9	743.0	588.3
85°	534.4	597.7	1094.6	2292.4	3984.7	3898.0	928.2	421.9	475.8	384.4
87.5°	175.8	213.3	391.4	785.2	1240.0	1195.4	227.4	145.3	206.3	175.8
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°
5777.9	0°	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9	5777.9
5794.3	2.5°	5827.1	5864.6	5909.1	5974.8	6031.0	6077.9	6127.1	6157.6	6169.3	6204.5
5803.7	5°	5869.3	5951.3	6061.5	6169.3	6274.8	6338.1	6394.3	6422.5	6448.3	6467.0
5829.4	7.5°	5939.6	6045.1	6218.5	6359.2	6448.3	6499.8	6537.3	6527.9	6537.3	6542.0
5857.6	10°	6000.6	6148.2	6354.5	6488.1	6556.1	6558.4	6549.0	6516.2	6499.8	6502.2
5899.8	12.5°	6073.2	6237.3	6460.0	6572.5	6591.2	6539.7	6499.8	6443.6	6422.5	6413.1
5963.1	15°	6171.7	6359.2	6574.8	6617.0	6570.1	6504.5	6436.5	6345.1	6298.2	6260.7
6070.9	17.5°	6291.2	6497.5	6663.9	6633.4	6532.6	6424.8	6314.6	6176.4	6080.3	6040.4
6218.5	20°	6457.6	6642.8	6731.9	6598.3	6445.9	6281.8	6094.3	5925.6	5836.5	5796.6
6406.1	22.5°	6659.2	6837.4	6797.5	6537.3	6321.7	6059.2	5824.8	5700.5	5656.0	5627.9
6647.5	25°	6900.6	7053.0	6844.4	6448.3	6117.8	5763.8	5583.3	5543.5	5522.4	5501.3
6942.8	27.5°	7214.7	7296.8	6879.5	6317.0	5799.0	5449.7	5384.1	5391.1	5384.1	5348.9
7353.0	30°	7629.6	7613.2	6912.4	6103.7	5433.3	5166.1	5170.8	5201.3	5206.0	5182.5
7925.0	32.5°	8175.8	8009.3	6928.8	5827.1	5084.1	4917.6	4922.3	4955.1	4978.6	4938.7
8672.7	35°	8836.8	8471.1	6903.0	5480.2	4814.5	4680.9	4645.7	4655.1	4662.2	4624.6
9579.8	37.5°	9607.9	8989.1	6788.1	5095.8	4591.8	4448.9	4373.8	4310.6	4273.1	4237.9
10606.5	40°	10454.1	9554.0	6577.2	4720.8	4343.4	4202.7	4090.2	3970.7	3844.1	3797.2
11694.1	42.5°	11340.1	10135.3	6321.7	4362.1	4057.4	3942.6	3823.0	3649.6	3459.7	3363.6
12823.8	45°	12259.0	10730.7	6070.9	4008.2	3764.4	3715.2	3576.9	3368.3	3162.0	3040.1
13956.0	47.5°	13159.0	11293.2	5702.9	3651.9	3490.2	3544.1	3436.3	3244.1	3014.3	2822.1
15078.7	50°	14019.3	11820.6	5100.5	3290.9	3267.5	3492.5	3389.4	3112.8	2850.3	2604.1
16180.4	52.5°	14872.5	12247.2	4329.3	2962.8	3147.9	3478.4	3328.4	3023.7	2702.6	2444.8
17216.4	55°	15596.8	12467.6	3586.3	2681.5	2974.5	3358.9	3255.8	2918.2	2494.0	2219.7
17926.7	57.5°	16009.3	12289.4	2967.5	2404.9	2735.4	3162.0	3131.5	2693.2	2245.5	2034.6
18065.0	60°	15831.2	11567.5	2461.2	2163.5	2508.0	2948.7	2915.9	2470.5	2055.7	1856.4
17324.3	62.5°	14849.0	10191.6	2060.3	1952.5	2301.8	2730.7	2700.3	2299.4	1910.3	1718.1
15357.7	65°	12870.7	8290.6	1748.6	1776.7	2093.2	2468.2	2512.7	2156.5	1795.5	1608.0
11881.6	67.5°	9816.5	6005.2	1504.8	1624.4	1889.2	2210.4	2339.3	2053.3	1699.4	1521.2
6874.9	70°	5595.1	3410.5	1298.6	1476.7	1708.8	1971.3	2205.7	1971.3	1596.2	1448.6
2576.0	72.5°	2121.3	1565.8	1122.8	1329.0	1535.3	1769.7	2058.0	1842.4	1476.7	1366.5
1331.4	75°	1132.1	954.0	944.6	1155.6	1336.1	1572.8	1872.8	1715.8	1387.6	1443.9
921.2	77.5°	771.2	675.1	789.9	989.2	1118.1	1354.8	1675.9	1523.6	1202.5	1197.8
637.6	80°	534.4	478.2	642.2	796.9	864.9	1139.2	1462.6	1307.9	979.8	914.1
393.8	82.5°	321.1	311.7	480.5	595.4	611.8	879.0	1211.8	1097.0	801.6	698.5
234.4	85°	175.8	185.2	307.1	349.3	356.3	614.1	949.3	848.5	616.5	518.0
84.4	87.5°	49.2	63.3	112.5	138.3	171.1	318.8	564.9	504.0	309.4	215.6
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°
5777.9
6202.1
6471.7
6549.0
6506.9
6408.4
6272.5
6042.7
5791.9
5632.6
5501.3
5356.0
5194.2
4957.5
4650.4
4261.3
3818.3
3375.3
3030.8
2801.0
2583.1
2416.6
2196.3
2006.4
1828.3
1687.7
1577.5
1493.1
1429.8
1347.8
1490.8
1104.0
874.3
703.2
522.7
215.6
0.0

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