

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: P851333

Luminaire Tested: **GLAN-SB9B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49891 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

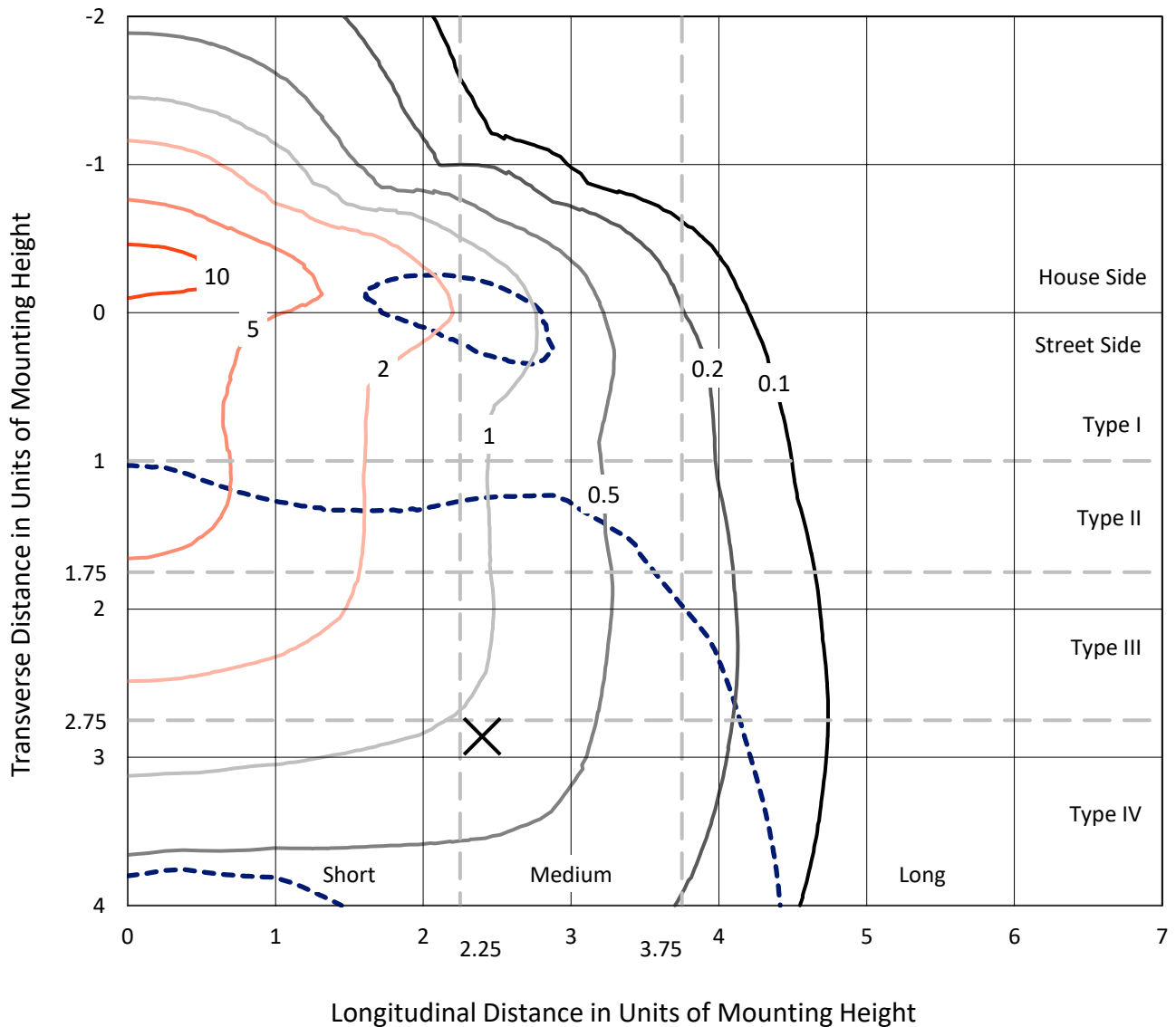
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

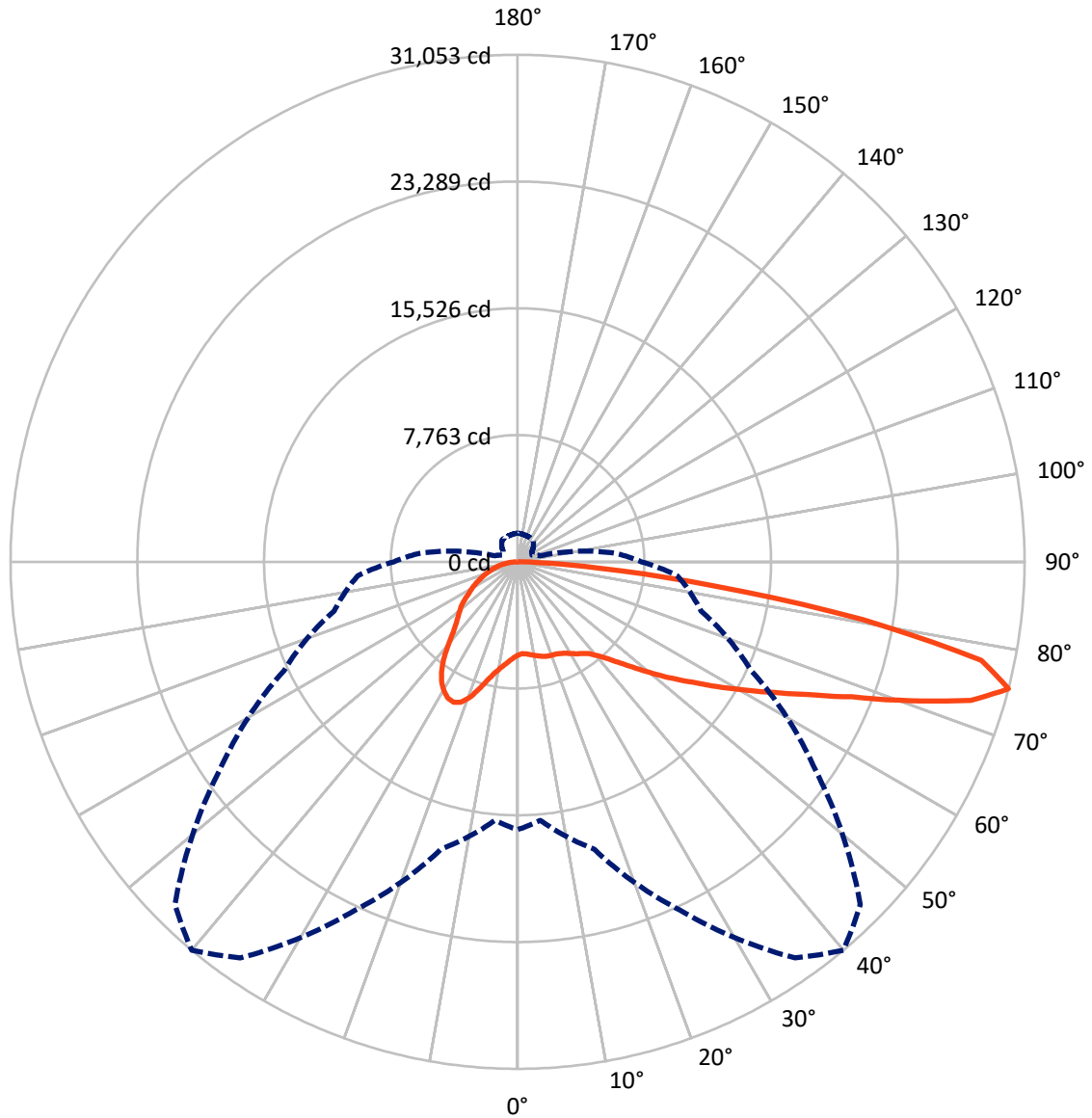
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15457.9	0.0	15457.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	34433.1	0.0	34433.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	49891.0	0.0	49891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.5	1.1
10°-20°	1912.0	3.8
20°-30°	3491.2	7.0
30°-40°	4951.4	9.9
40°-50°	6685.9	13.4
50°-60°	8994.3	18.0
60°-70°	11415.9	22.9
70°-80°	10360.6	20.8
80°-90°	1510.2	3.0
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°	49891.0	100.0
0°-180°	49891.0	100.0

Coefficient of Utilization

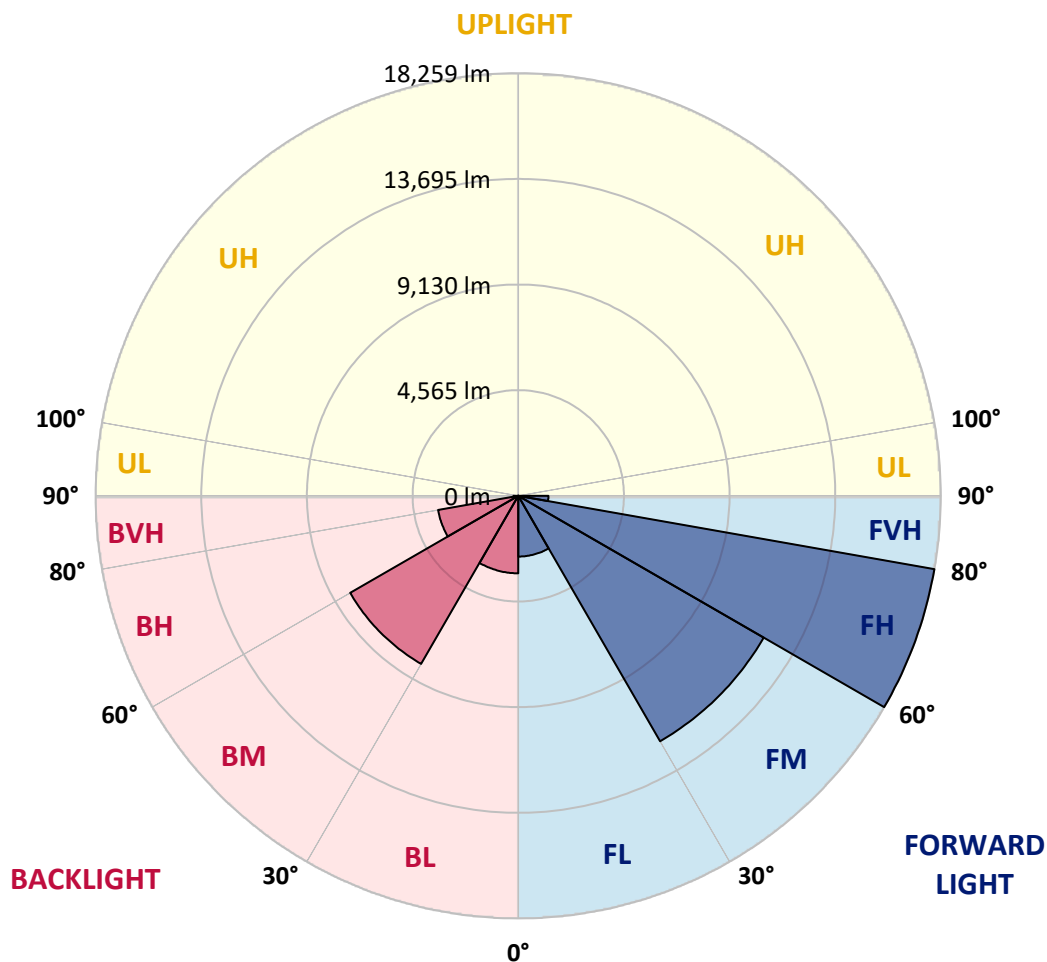


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2624.3	5.3			
FM (30°-60°)	12247.1	24.5			
FH (60°-80°)	18259.3	36.6			G5
FVH (80°-90°)	1302.3	2.6			G5
BL (0°-30°)	3348.3	6.7	B4/5000		
BM (30°-60°)	8384.5	16.8	B4/8500		
BH (60°-80°)	3517.1	7.0	B4/5000		G4/5000
BVH (80°-90°)	207.9	0.4			G2/225
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1
2.5°	5617.8	5649.5	5641.6	5631.0	5631.0	5633.7	5631.0	5649.5	5668.1	5686.6
5°	5676.0	5707.7	5691.9	5678.6	5668.1	5665.4	5657.5	5654.8	5665.4	5689.2
7.5°	5789.8	5821.5	5797.7	5773.9	5752.7	5742.1	5731.6	5715.7	5707.7	5721.0
10°	5916.8	5948.5	5919.4	5877.1	5842.7	5829.5	5818.9	5803.0	5792.4	5800.4
12.5°	6043.8	6075.6	6035.9	5977.7	5932.7	5924.7	5911.5	5906.2	5903.6	5900.9
15°	6162.9	6189.3	6139.1	6070.3	6022.6	6009.4	5996.2	6004.1	6017.3	6033.2
17.5°	6255.5	6282.0	6207.9	6117.9	6072.9	6067.6	6059.7	6086.1	6123.2	6162.9
20°	6340.2	6366.6	6271.4	6149.7	6096.7	6096.7	6099.4	6154.9	6207.9	6266.1
22.5°	6459.3	6480.4	6364.0	6197.3	6120.5	6125.8	6147.0	6202.6	6268.7	6348.1
25°	6636.5	6652.4	6509.5	6287.3	6199.9	6215.8	6234.3	6260.8	6324.3	6416.9
27.5°	6922.3	6935.6	6747.7	6446.0	6313.7	6340.2	6366.6	6348.1	6377.2	6456.6
30°	7324.5	7332.5	7094.3	6694.8	6506.9	6520.1	6525.4	6448.7	6393.1	6456.6
32.5°	7800.9	7798.2	7515.1	6996.4	6726.5	6713.3	6668.3	6517.5	6387.8	6443.4
35°	8539.1	8510.0	8144.9	7419.8	6975.3	6893.2	6787.4	6594.2	6414.3	6430.1
37.5°	9761.7	9671.7	9166.3	8113.1	7345.7	7136.7	6980.5	6718.6	6472.5	6424.9
40°	11140.3	11026.5	10470.8	9063.1	7901.4	7565.3	7314.0	6895.9	6567.7	6448.7
42.5°	12775.6	12614.2	12016.2	10182.4	8605.3	8118.4	7740.0	7120.8	6708.0	6525.4
45°	14784.0	14569.7	13722.9	11444.6	9491.7	8843.4	8338.0	7462.1	6922.3	6673.6
47.5°	16813.6	16866.6	15662.6	12889.4	10555.5	9737.8	9086.9	7975.5	7234.6	6911.7
50°	18970.3	19007.3	17591.6	14490.3	11762.1	10748.7	9928.4	8549.7	7668.5	7250.5
52.5°	20653.2	20658.5	19343.4	16165.3	13019.1	11860.1	10836.0	9206.0	8171.3	7700.3
55°	21706.4	21693.1	20571.2	17750.4	14463.9	13027.0	11841.5	9952.2	8785.2	8229.5
57.5°	22471.1	22431.4	21417.9	19113.2	16003.9	14405.6	12979.4	10798.9	9510.3	8859.3
60°	22762.2	22738.4	21992.2	20290.7	17623.4	15929.8	14291.9	11746.3	10333.2	9602.9
62.5°	22873.3	22918.3	22555.8	21431.2	19356.6	17618.1	15734.0	12878.8	11259.4	10444.4
65°	23265.0	23347.0	23272.9	22923.6	21314.7	19594.8	17647.2	14225.7	12270.2	11346.7
67.5°	24040.3	24122.3	24154.1	24709.8	23706.9	22058.3	20034.0	15903.4	13453.0	12283.4
70°	24021.8	23997.9	24558.9	26130.7	26702.3	25469.2	23251.7	17967.4	14863.4	13061.4
72.5°	21865.1	21674.6	23000.3	26114.9	29195.0	29030.9	27181.3	20629.4	16080.7	13156.7
75°	16403.5	15895.4	18237.3	23534.9	29610.4	31052.6	29679.2	22280.6	15792.2	11624.5
77.5°	7014.9	6504.2	9264.2	17422.3	26501.2	29028.3	27387.7	19438.6	12606.3	7687.1
80°	1836.4	1833.8	2799.6	7898.8	18022.9	21436.5	18806.2	12553.3	7202.8	2746.7
82.5°	759.4	740.9	1029.4	3072.2	8806.4	12029.4	9817.2	5599.3	2601.2	743.6
85°	283.1	280.5	500.1	1061.1	3106.6	4961.5	3590.8	1431.6	648.3	362.5
87.5°	79.4	76.7	108.5	367.8	756.8	1148.4	613.9	235.5	182.6	142.9
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°
5705.1	0°	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1
5715.7	2.5°	5723.6	5736.9	5760.7	5779.2	5803.0	5829.5	5866.5	5890.3	5914.1	5930.0
5728.9	5°	5747.4	5776.5	5837.4	5898.3	5969.7	6035.9	6112.6	6168.2	6213.2	6226.4
5776.5	7.5°	5800.4	5848.0	5951.2	6054.4	6168.2	6276.7	6387.8	6483.1	6559.8	6588.9
5861.2	10°	5893.0	5956.5	6102.0	6247.6	6398.4	6565.1	6708.0	6845.6	6954.1	6999.1
5961.8	12.5°	6009.4	6088.8	6279.3	6480.4	6689.5	6919.7	7104.9	7274.3	7409.2	7470.1
6102.0	15°	6160.2	6263.4	6506.9	6776.8	7083.7	7403.9	7639.4	7827.3	7978.1	8052.2
6247.6	17.5°	6324.3	6461.9	6768.9	7176.4	7615.6	8036.4	8311.6	8449.2	8605.3	8676.7
6382.5	20°	6483.1	6652.4	7091.7	7684.4	8269.2	8716.4	8938.7	8975.7	8986.3	8994.3
6509.5	22.5°	6647.1	6874.7	7496.5	8324.8	8951.9	9261.5	9293.3	9134.5	8912.2	8809.0
6633.9	25°	6827.1	7128.7	8025.8	9031.3	9539.4	9576.4	9333.0	8946.6	8525.9	8332.7
6734.5	27.5°	7001.7	7422.5	8660.9	9706.1	9962.8	9637.3	9113.3	8565.6	8057.5	7853.8
6805.9	30°	7176.4	7758.5	9362.1	10296.2	10155.9	9486.5	8766.7	8155.4	7644.7	7430.4
6869.4	32.5°	7353.7	8150.1	10169.2	10722.2	10121.5	9166.3	8335.4	7695.0	7245.2	7020.2
6925.0	35°	7554.8	8631.7	10933.9	10955.1	9891.3	8695.3	7766.5	7144.6	6753.0	6573.0
6991.1	37.5°	7816.7	9243.0	11608.7	11013.3	9489.1	8004.6	7059.9	6493.7	6170.8	6088.8
7089.0	40°	8142.2	9978.6	12124.7	10920.7	8893.7	7165.8	6287.3	5834.8	5652.2	5670.7
7221.3	42.5°	8565.6	10801.6	12487.2	10682.5	8065.5	6300.5	5609.8	5408.7	5496.1	5570.1
7419.8	45°	9116.0	11656.3	12712.1	10277.7	7128.7	5567.5	5210.3	5257.9	5324.1	5332.0
7740.0	47.5°	9819.9	12521.6	12860.3	9666.4	6173.5	5051.5	4956.2	4966.8	4953.6	4898.0
8218.9	50°	10698.4	13363.1	12992.6	8856.7	5361.1	4728.7	4601.7	4564.6	4382.0	4202.1
8856.7	52.5°	11698.6	14135.7	13048.2	7851.1	4728.7	4458.8	4252.4	4019.5	3678.2	3622.6
9658.5	55°	12810.0	14850.2	12905.3	6615.4	4196.8	4112.1	3799.9	3519.4	3482.3	3434.7
10714.3	57.5°	14138.4	15620.2	12614.2	5236.7	3651.7	3707.3	3403.0	3434.7	3368.6	3294.5
12071.7	60°	15591.1	16416.7	12103.5	3979.8	3088.1	3201.8	3299.8	3297.1	3278.6	3217.7
13503.3	62.5°	16898.3	16940.7	11098.0	3048.4	2593.2	2810.2	3077.5	3074.8	3059.0	3024.6
14998.4	65°	17676.3	16861.3	9420.3	2400.1	2185.7	2487.4	2775.8	2797.0	2799.6	2797.0
16123.0	67.5°	17538.7	15932.5	7118.1	1910.5	1849.7	2159.3	2476.8	2505.9	2527.1	2532.4
16265.9	70°	15982.8	13892.3	4641.3	1524.2	1550.6	1870.8	2193.7	2222.8	2241.3	2262.5
14114.6	72.5°	12458.1	10214.1	2656.7	1233.1	1288.7	1622.1	1913.2	1947.6	1958.2	1997.8
9822.5	75°	7591.8	6006.8	1434.2	971.1	1058.5	1386.6	1635.3	1675.0	1693.5	1741.2
4823.9	77.5°	3609.4	2601.2	817.7	756.8	852.1	1132.6	1381.3	1426.3	1376.0	1402.5
1331.0	80°	1219.9	965.8	516.0	576.9	651.0	883.8	1106.1	1151.1	1045.2	1039.9
441.9	82.5°	426.0	391.6	328.1	383.7	420.7	632.4	836.2	894.4	778.0	775.3
198.5	85°	166.7	158.8	182.6	209.0	251.4	389.0	550.4	579.5	479.0	386.3
58.2	87.5°	34.4	37.0	45.0	47.6	76.7	135.0	198.5	243.4	193.2	164.1
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°
5705.1
5919.4
6231.7
6591.6
7001.7
7470.1
8046.9
8674.1
9015.4
8838.1
8361.8
7877.6
7454.2
7049.3
6612.7
6147.0
5734.2
5638.9
5384.9
4940.4
4225.9
3641.1
3442.6
3281.2
3196.6
3011.3
2797.0
2537.7
2273.0
2013.7
1746.5
1381.3
1029.4
738.3
381.0
150.8
0.0

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