

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: P851503

Luminaire Tested: **GLAN-SB9C-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851503
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-SB9C-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66354 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

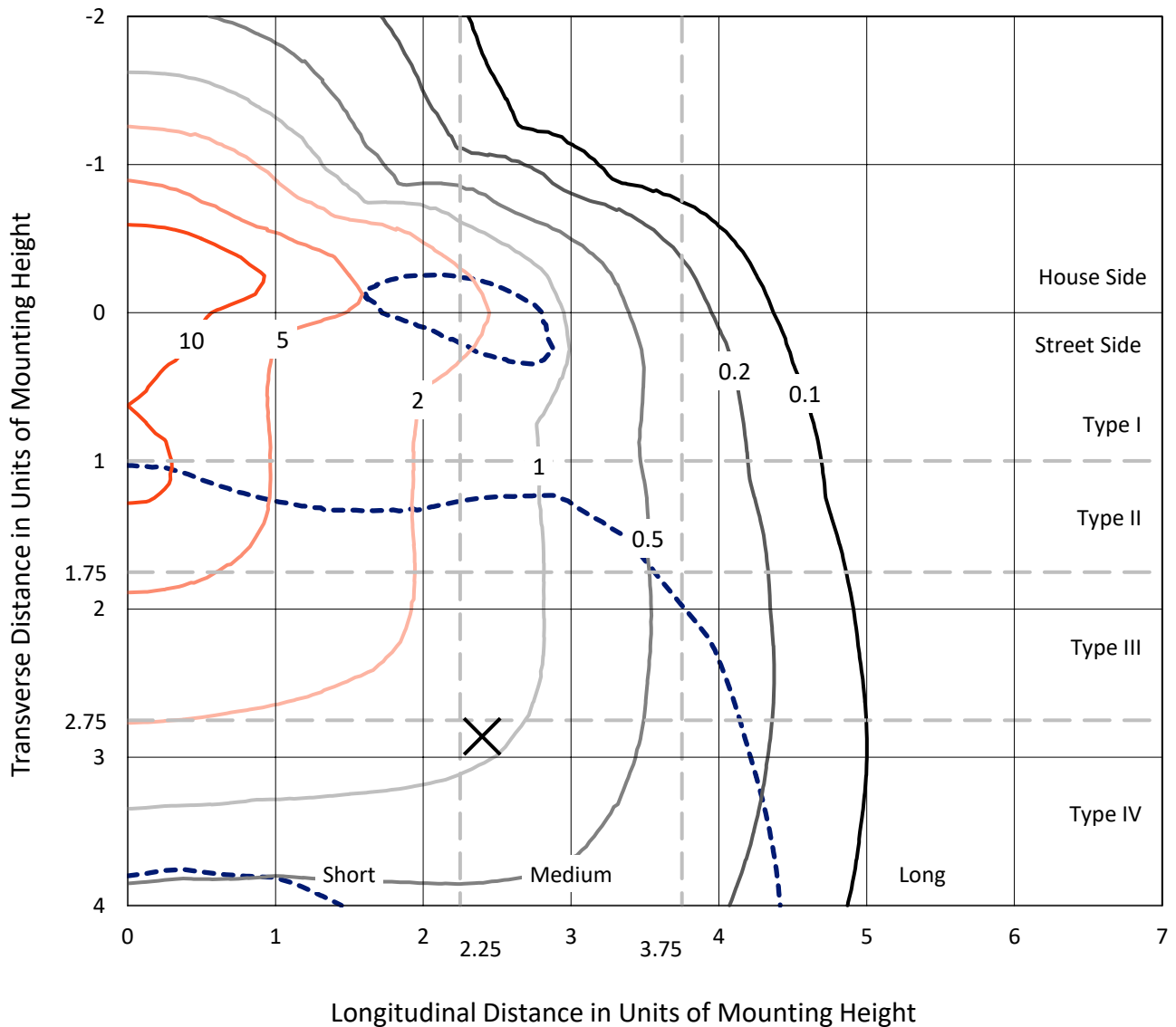
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

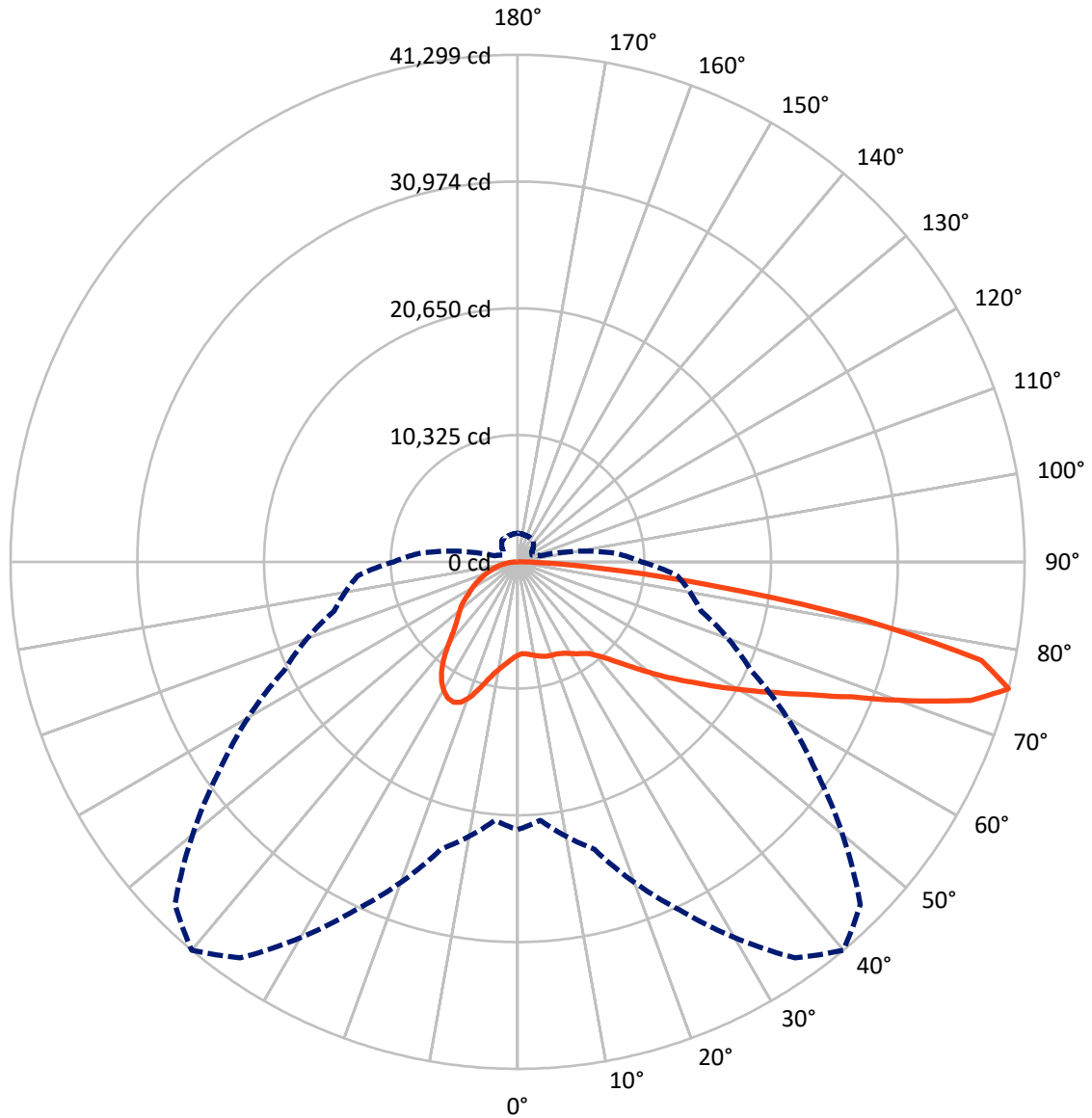
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 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	20558.7	0.0	20558.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	45795.3	0.0	45795.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	66354.0	0.0	66354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.4	1.1
10°-20°	2542.9	3.8
20°-30°	4643.2	7.0
30°-40°	6585.3	9.9
40°-50°	8892.1	13.4
50°-60°	11962.3	18.0
60°-70°	15182.9	22.9
70°-80°	13779.4	20.8
80°-90°	2008.6	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°	66354.0	100.0
0°-180°	66354.0	100.0

Coefficient of Utilization

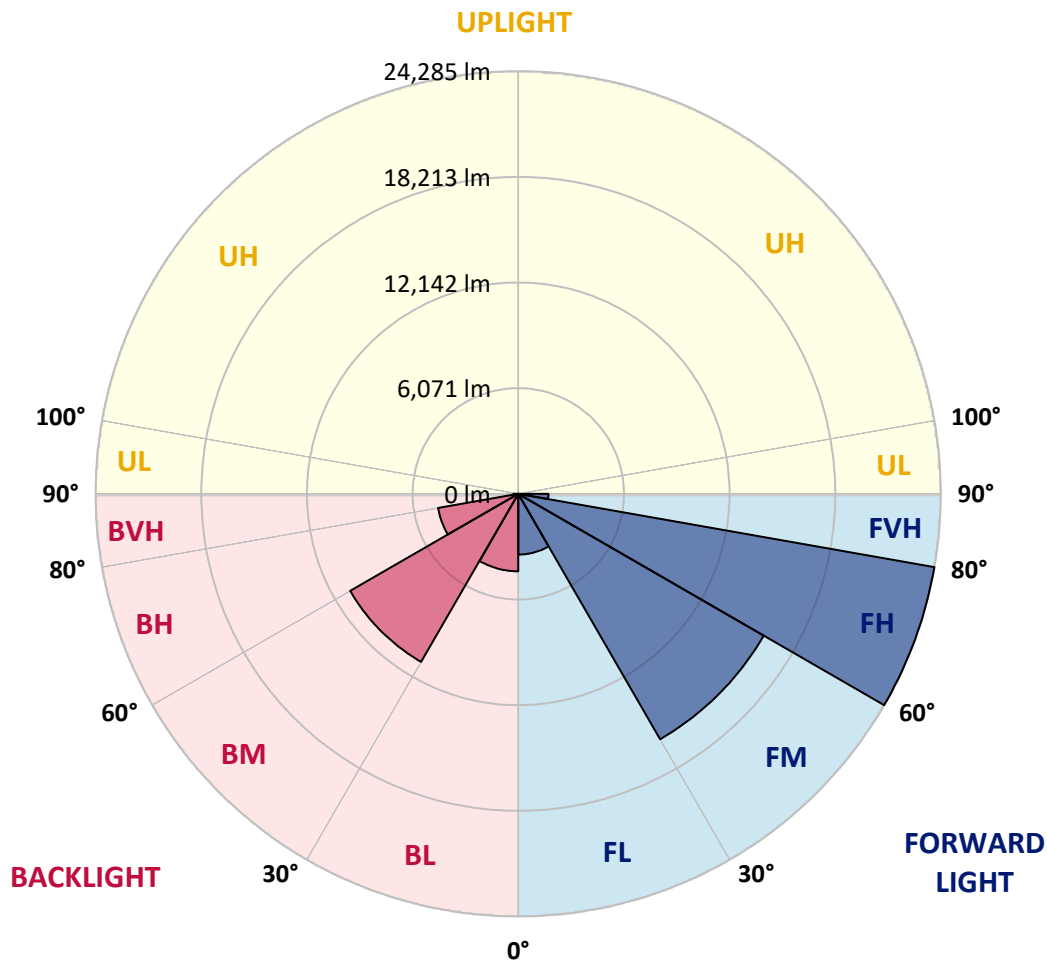


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3490.3	5.3			
FM (30°-60°)	16288.4	24.5			
FH (60°-80°)	24284.5	36.6			G5
FVH (80°-90°)	1732.1	2.6			G5
BL (0°-30°)	4453.2	6.7	B4/5000		
BM (30°-60°)	11151.2	16.8	B5		
BH (60°-80°)	4677.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	276.5	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7
2.5°	7471.5	7513.8	7503.2	7489.1	7489.1	7492.6	7489.1	7513.8	7538.4	7563.0
5°	7549.0	7591.2	7570.1	7552.5	7538.4	7534.9	7524.3	7520.8	7534.9	7566.6
7.5°	7700.3	7742.5	7710.8	7679.2	7651.0	7636.9	7622.9	7601.7	7591.2	7608.8
10°	7869.2	7911.4	7872.7	7816.4	7770.7	7753.1	7739.0	7717.9	7703.8	7714.4
12.5°	8038.1	8080.4	8027.6	7950.2	7890.3	7879.8	7862.2	7855.1	7851.6	7848.1
15°	8196.5	8231.7	8164.8	8073.3	8010.0	7992.4	7974.8	7985.4	8002.9	8024.1
17.5°	8319.7	8354.9	8256.3	8136.7	8076.9	8069.8	8059.3	8094.5	8143.7	8196.5
20°	8432.3	8467.5	8340.8	8178.9	8108.5	8108.5	8112.0	8186.0	8256.3	8333.8
22.5°	8590.7	8618.8	8464.0	8242.3	8140.2	8147.2	8175.4	8249.3	8337.3	8442.9
25°	8826.5	8847.6	8657.5	8361.9	8245.8	8266.9	8291.5	8326.7	8411.2	8534.4
27.5°	9206.6	9224.2	8974.3	8573.1	8397.1	8432.3	8467.5	8442.9	8481.6	8587.2
30°	9741.5	9752.1	9435.3	8903.9	8654.0	8671.6	8678.7	8576.6	8502.7	8587.2
32.5°	10375.0	10371.5	9994.9	9305.1	8946.1	8928.5	8868.7	8668.1	8495.7	8569.6
35°	11356.9	11318.2	10832.5	9868.2	9276.9	9167.8	9027.1	8770.2	8530.8	8552.0
37.5°	12982.8	12863.1	12190.9	10790.3	9769.7	9491.6	9284.0	8935.6	8608.3	8544.9
40°	14816.4	14665.0	13926.0	12053.7	10508.7	10061.8	9727.4	9171.4	8735.0	8576.6
42.5°	16991.3	16776.6	15981.3	13542.4	11444.9	10797.3	10294.0	9470.5	8921.5	8678.7
45°	19662.5	19377.4	18251.2	15221.1	12623.8	11761.6	11089.4	9924.5	9206.6	8875.7
47.5°	22361.8	22432.2	20830.9	17142.6	14038.6	12951.1	12085.4	10607.3	9621.8	9192.5
50°	25230.1	25279.3	23396.5	19271.8	15643.4	14295.5	13204.5	11370.9	10199.0	9643.0
52.5°	27468.3	27475.4	25726.3	21499.6	17315.1	15773.6	14411.6	12243.7	10867.7	10241.2
55°	28869.0	28851.4	27359.2	23607.6	19236.6	17325.6	15749.0	13236.2	11684.2	10945.1
57.5°	29886.1	29833.3	28485.4	25420.1	21284.9	19159.2	17262.3	14362.4	12648.5	11782.7
60°	30273.2	30241.6	29249.1	26986.2	23438.7	21186.3	19007.9	15622.3	13743.0	12771.6
62.5°	30421.1	30480.9	29998.7	28503.0	25743.9	23431.7	20925.9	17128.6	14974.7	13890.8
65°	30941.9	31051.0	30952.5	30487.9	28348.2	26060.6	23470.4	18919.9	16319.1	15090.9
67.5°	31973.1	32082.2	32124.4	32863.5	31529.6	29337.1	26644.8	21151.2	17892.3	16336.7
70°	31948.4	31916.8	32662.9	34753.4	35513.5	33873.5	30924.3	23896.2	19768.1	17371.4
72.5°	29080.2	28826.8	30590.0	34732.2	38828.7	38610.5	36150.5	27436.7	21386.9	17498.1
75°	21816.3	21140.6	24255.2	31300.9	39381.3	41299.3	39472.8	29632.7	21003.3	15460.4
77.5°	9329.7	8650.5	12321.2	23171.2	35246.1	38607.0	36425.0	25853.0	16766.1	10223.6
80°	2442.4	2438.9	3723.4	10505.2	23970.1	28510.1	25011.9	16695.7	9579.6	3653.1
82.5°	1010.0	985.4	1369.0	4085.9	11712.3	15998.9	13056.7	7446.9	3459.5	988.9
85°	376.6	373.0	665.2	1411.2	4131.7	6598.7	4775.7	1904.0	862.2	482.1
87.5°	105.6	102.1	144.3	489.2	1006.5	1527.4	816.5	313.2	242.8	190.0
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°
7587.7	0°	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7	7587.7
7601.7	2.5°	7612.3	7629.9	7661.6	7686.2	7717.9	7753.1	7802.3	7834.0	7865.7	7886.8
7619.3	5°	7644.0	7682.7	7763.6	7844.6	7939.6	8027.6	8129.6	8203.6	8263.4	8281.0
7682.7	7.5°	7714.4	7777.7	7915.0	8052.2	8203.6	8347.8	8495.7	8622.4	8724.4	8763.1
7795.3	10°	7837.5	7922.0	8115.6	8309.1	8509.7	8731.4	8921.5	9104.5	9248.8	9308.6
7929.0	12.5°	7992.4	8098.0	8351.4	8618.8	8896.9	9203.0	9449.4	9674.6	9854.1	9935.1
8115.6	15°	8193.0	8330.2	8654.0	9013.0	9421.2	9847.1	10160.3	10410.2	10610.8	10709.3
8309.1	17.5°	8411.2	8594.2	9002.4	9544.4	10128.6	10688.2	11054.2	11237.2	11444.9	11539.9
8488.6	20°	8622.4	8847.6	9431.8	10220.1	10997.9	11592.7	11888.3	11937.6	11951.6	11962.2
8657.5	22.5°	8840.5	9143.2	9970.3	11071.8	11905.9	12317.6	12359.9	12148.7	11853.1	11715.8
8823.0	25°	9079.9	9481.1	10674.1	12011.5	12687.2	12736.4	12412.7	11898.8	11339.3	11082.4
8956.7	27.5°	9312.1	9871.7	11518.8	12908.9	13250.3	12817.4	12120.6	11392.1	10716.3	10445.4
9051.7	30°	9544.4	10318.7	12451.4	13693.7	13507.2	12616.8	11659.5	10846.6	10167.3	9882.3
9136.2	32.5°	9780.2	10839.5	13524.8	14260.3	13461.4	12190.9	11085.9	10234.2	9635.9	9336.8
9210.1	35°	10047.7	11480.0	14541.9	14570.0	13155.2	11564.5	10329.2	9502.2	8981.3	8742.0
9298.1	37.5°	10396.1	12293.0	15439.3	14647.4	12620.3	10646.0	9389.6	8636.4	8207.1	8098.0
9428.3	40°	10829.0	13271.4	16125.6	14524.3	11828.5	9530.3	8361.9	7760.1	7517.3	7541.9
9604.2	42.5°	11392.1	14365.9	16607.7	14207.5	10726.9	8379.5	7461.0	7193.5	7309.6	7408.2
9868.2	45°	12124.1	15502.6	16906.8	13669.1	9481.1	7404.7	6929.6	6992.9	7080.9	7091.4
10294.0	47.5°	13060.2	16653.5	17103.9	12856.1	8210.6	6718.4	6591.7	6605.8	6588.2	6514.3
10931.0	50°	14228.6	17772.6	17279.9	11779.2	7130.2	6289.0	6120.1	6070.8	5828.0	5588.7
11779.2	52.5°	15558.9	18800.2	17353.8	10441.8	6289.0	5930.1	5655.6	5345.9	4891.9	4818.0
12845.5	55°	17037.1	19750.5	17163.8	8798.3	5581.7	5469.0	5053.8	4680.7	4631.4	4568.1
14249.8	57.5°	18803.8	20774.6	16776.6	6964.7	4856.7	4930.6	4525.9	4568.1	4480.1	4381.6
16055.2	60°	20735.9	21833.9	16097.4	5293.1	4107.1	4258.4	4388.6	4385.1	4360.4	4279.5
17959.1	62.5°	22474.4	22530.7	14760.1	4054.3	3448.9	3737.5	4093.0	4089.5	4068.3	4022.6
19947.5	65°	23509.1	22425.1	12528.8	3192.0	2907.0	3308.2	3691.8	3719.9	3723.4	3719.9
21443.3	67.5°	23326.1	21189.9	9467.0	2541.0	2460.0	2871.8	3294.1	3332.8	3361.0	3368.0
21633.3	70°	21256.7	18476.5	6172.9	2027.1	2062.3	2488.2	2917.5	2956.2	2980.9	3009.0
18772.1	72.5°	16569.0	13584.6	3533.4	1640.0	1713.9	2157.3	2544.5	2590.2	2604.3	2657.1
13063.7	75°	10096.9	7988.9	1907.5	1291.6	1407.7	1844.1	2174.9	2227.7	2252.4	2315.7
6415.7	77.5°	4800.4	3459.5	1087.5	1006.5	1133.2	1506.3	1837.1	1896.9	1830.0	1865.2
1770.2	80°	1622.4	1284.6	686.3	767.2	865.8	1175.5	1471.1	1530.9	1390.1	1383.1
587.7	82.5°	566.6	520.9	436.4	510.3	559.6	841.1	1112.1	1189.5	1034.7	1031.2
263.9	85°	221.7	211.2	242.8	278.0	334.3	517.3	732.0	770.7	637.0	513.8
77.4	87.5°	45.8	49.3	59.8	63.3	102.1	179.5	263.9	323.8	256.9	218.2
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°

7587.7
7872.7
8288.0
8766.6
9312.1
9935.1
10702.3
11536.4
11990.3
11754.6
11121.1
10477.0
9913.9
9375.5
8794.8
8175.4
7626.4
7499.7
7161.8
6570.6
5620.4
4842.6
4578.6
4364.0
4251.3
4005.0
3719.9
3375.0
3023.1
2678.2
2322.8
1837.1
1369.0
981.9
506.8
200.6
0.0

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