

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: P853255

Luminaire Tested: **GLAN-SB9D-830-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853255
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-SB9D-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78660 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

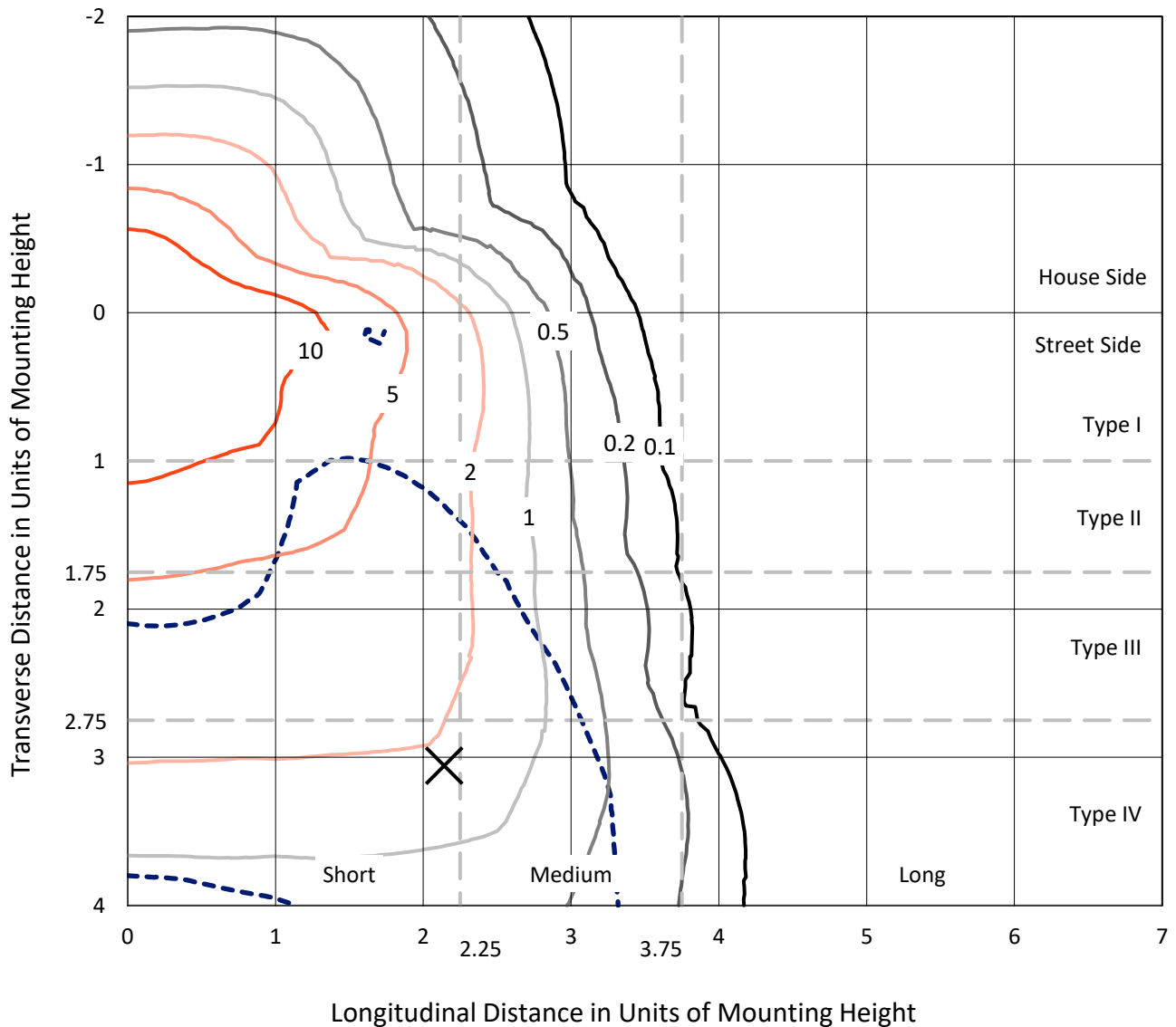
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

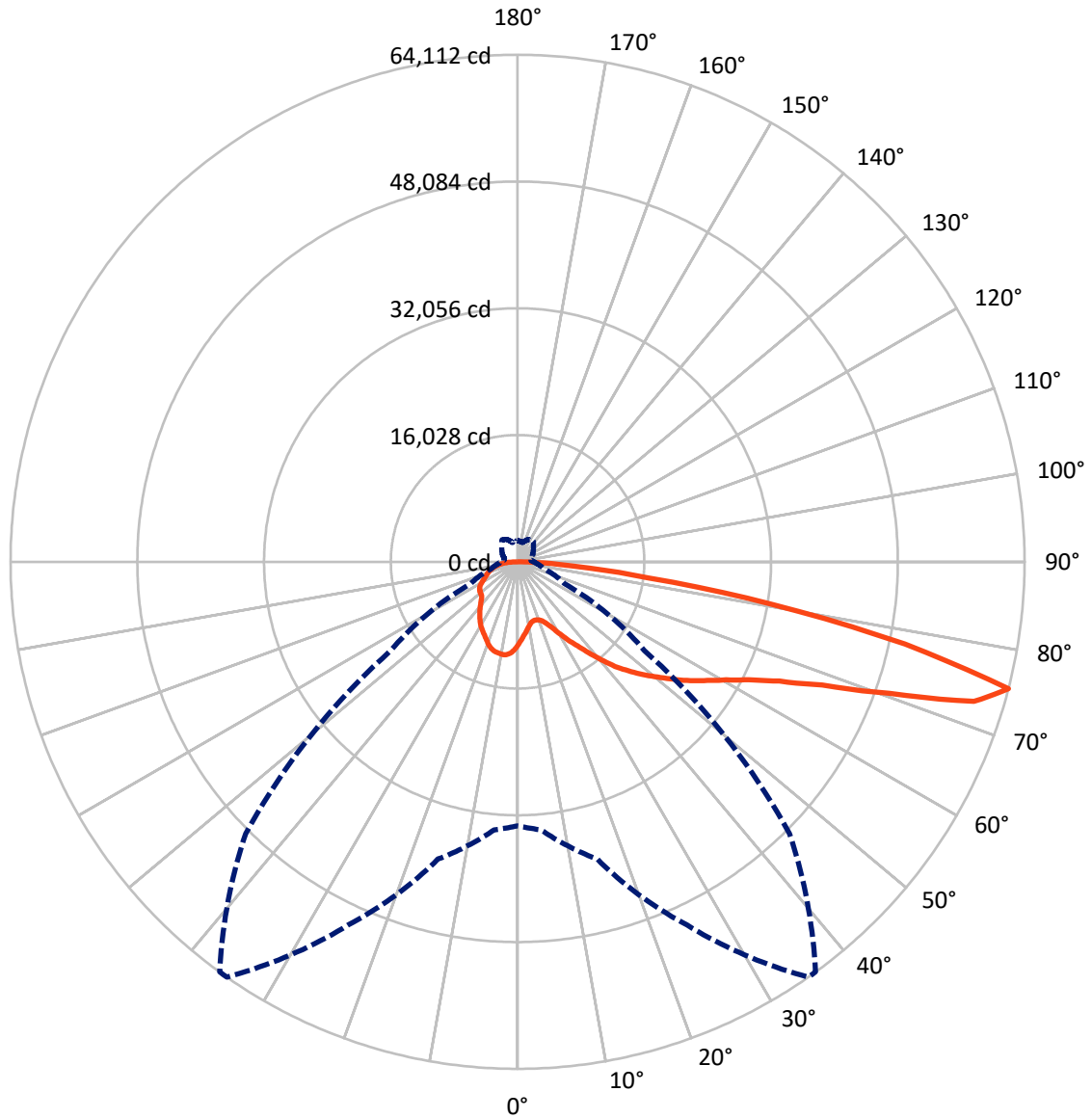
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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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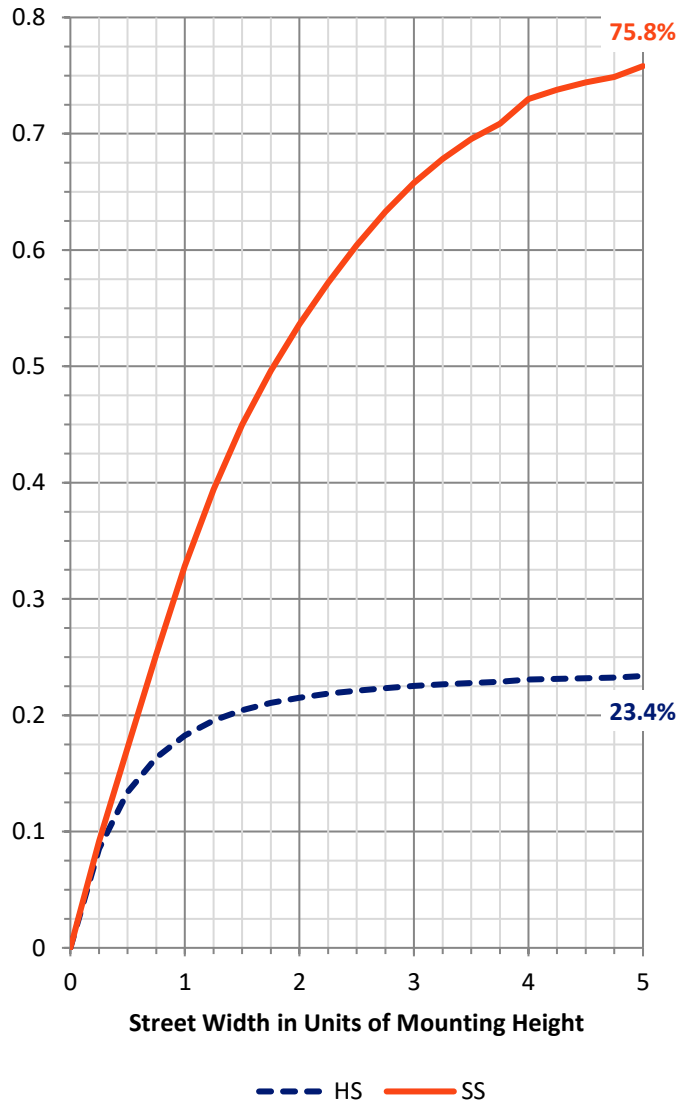
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18719.1	0.0	18719.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	59940.9	0.0	59940.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	78660.0	0.0	78660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.4	1.3
10°-20°	2862.6	3.6
20°-30°	4807.1	6.1
30°-40°	7470.9	9.5
40°-50°	11088.7	14.1
50°-60°	15308.7	19.5
60°-70°	18572.9	23.6
70°-80°	15349.1	19.5
80°-90°	2207.7	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°	78660.0	100.0
0°-180°	78660.0	100.0

Coefficient of Utilization

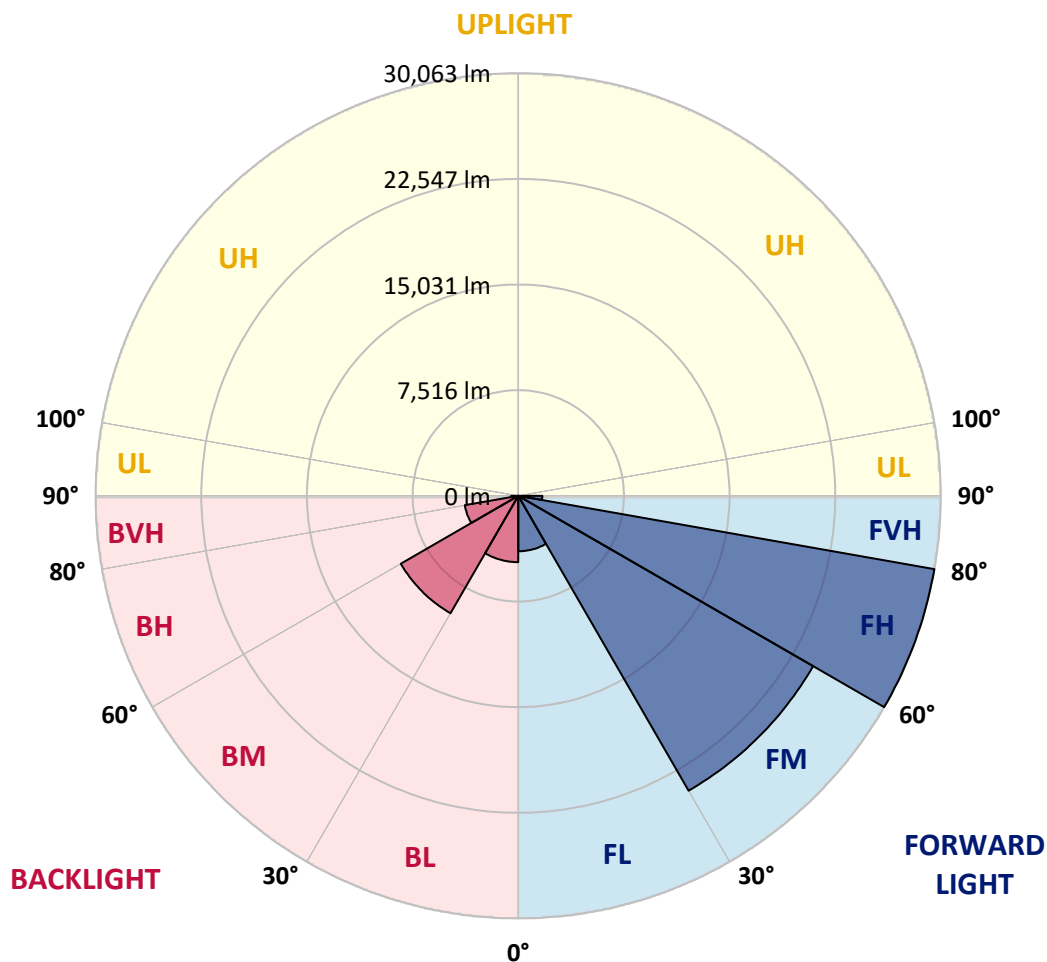


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3944.6	5.0			
FM (30°-60°)	24223.0	30.8			
FH (60°-80°)	30062.7	38.2			G5
FVH (80°-90°)	1710.6	2.2			G5
BL (0°-30°)	4717.5	6.0	B4/5000		
BM (30°-60°)	9645.2	12.3	B5		
BH (60°-80°)	3859.3	4.9	B4/5000		G4/5000
BVH (80°-90°)	497.1	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0
2.5°	9665.5	9725.1	9750.6	9737.8	9801.6	9793.1	9882.4	9993.0	10146.0	10294.9
5°	8921.4	8985.2	9040.4	9091.5	9214.8	9253.1	9393.4	9606.0	9886.7	10171.6
7.5°	8228.2	8283.5	8368.6	8462.1	8670.5	8708.8	8942.6	9274.3	9665.5	10082.3
10°	7662.7	7718.0	7807.3	7913.6	8173.0	8219.7	8517.4	8959.6	9469.9	9997.2
12.5°	7420.3	7437.3	7488.3	7594.6	7820.0	7849.8	8177.2	8683.2	9278.6	9933.4
15°	7407.5	7441.6	7445.8	7501.1	7688.2	7701.0	8002.9	8504.6	9159.5	9920.7
17.5°	7535.1	7560.6	7522.4	7556.4	7713.7	7735.0	7973.1	8419.6	9121.2	9976.0
20°	7875.3	7896.6	7781.8	7735.0	7849.8	7866.8	8100.7	8474.9	9159.5	10090.8
22.5°	8598.2	8611.0	8330.3	8138.9	8147.5	8156.0	8360.1	8700.3	9308.3	10299.1
25°	9725.1	9716.6	9270.1	8900.1	8687.5	8640.7	8776.8	9066.0	9559.2	10575.5
27.5°	11043.3	10979.5	10533.0	9980.2	9516.7	9448.7	9418.9	9542.2	9916.4	10941.2
30°	12531.6	12472.1	11991.6	11268.7	10626.6	10516.0	10235.3	10171.6	10448.0	11438.7
32.5°	14164.5	14126.2	13552.2	12676.2	11817.2	11689.6	11217.6	11047.5	11264.4	12191.4
35°	15533.7	15499.7	15023.5	14122.0	13071.6	12914.3	12433.8	12242.4	12353.0	13156.7
37.5°	16771.2	16754.2	16345.9	15635.8	14551.5	14360.1	13820.1	13756.3	13735.0	14428.1
40°	17919.3	17876.8	17451.5	17077.3	16273.6	16099.3	15623.0	15567.8	15406.2	15993.0
42.5°	19190.7	19080.2	18463.6	18289.2	18072.4	17927.8	17642.9	17651.4	17294.2	17757.7
45°	20228.3	20164.5	19530.9	19428.9	19662.7	19603.2	19849.8	19913.6	19220.5	19607.5
47.5°	21342.4	21282.9	20747.1	20674.8	21308.4	21325.4	22197.1	22218.4	21100.0	21529.5
50°	22715.9	22630.9	22099.3	22188.6	22898.8	22962.5	24557.2	24412.6	22830.7	23481.3
52.5°	23621.7	23672.7	23557.9	23702.5	24672.0	24731.5	26878.9	26509.0	24544.4	25407.6
55°	24289.3	24391.3	24748.5	25080.2	26543.0	26602.5	29068.9	28503.3	25964.7	27193.6
57.5°	25148.2	25003.7	25671.3	26317.6	28320.5	28477.8	31199.3	30425.4	27223.4	28732.9
60°	26381.4	26279.4	26798.1	27754.9	30310.6	30561.4	33453.0	32156.1	28146.1	29953.4
62.5°	28881.8	28626.6	28707.4	29553.6	32819.4	33151.1	35995.9	33665.6	28605.4	30429.6
65°	32619.6	32181.6	31773.4	32360.2	36353.1	36680.5	38866.2	34852.0	28435.3	29506.9
67.5°	37326.9	36893.2	36391.4	36944.2	41558.0	41817.3	42408.4	35519.7	27095.8	25951.9
70°	41209.3	41047.7	41647.3	43922.2	49871.2	49879.8	46949.9	34966.9	23426.0	18399.8
72.5°	40694.7	40596.9	43756.4	50789.8	60349.0	60123.6	51249.0	30782.6	15780.4	8300.5
75°	33385.0	34018.6	38913.0	50666.4	64112.3	64082.5	48616.8	19569.2	6527.3	3440.1
77.5°	17902.3	18905.8	25263.1	37407.7	50049.8	50802.5	34180.2	6846.2	2802.3	2202.7
80°	5838.4	6714.4	10069.5	19046.2	32521.8	32381.4	14649.3	2687.5	1917.8	1560.6
82.5°	2479.1	2581.2	4499.0	8993.7	16690.4	16431.0	4664.8	1543.6	1348.0	1067.3
85°	969.5	1084.3	1985.8	4158.8	7228.9	7071.6	1683.9	765.4	863.2	697.4
87.5°	318.9	387.0	710.1	1424.5	2249.5	2168.7	412.5	263.6	374.2	318.9
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°
10482.0	0°	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0	10482.0
10511.7	2.5°	10571.3	10639.3	10720.1	10839.2	10941.2	11026.3	11115.6	11170.9	11192.1	11255.9
10528.8	5°	10647.8	10796.6	10996.5	11192.1	11383.5	11498.3	11600.3	11651.4	11698.1	11732.2
10575.5	7.5°	10775.4	10966.7	11281.4	11536.6	11698.1	11791.7	11859.7	11842.7	11859.7	11868.2
10626.6	10°	10885.9	11153.8	11528.0	11770.4	11893.7	11898.0	11881.0	11821.5	11791.7	11795.9
10703.1	12.5°	11017.8	11315.4	11719.4	11923.5	11957.5	11864.0	11791.7	11689.6	11651.4	11634.4
10817.9	15°	11196.4	11536.6	11927.8	12004.3	11919.3	11800.2	11676.9	11511.0	11426.0	11358.0
11013.5	17.5°	11413.2	11787.4	12089.4	12034.1	11851.2	11655.6	11455.8	11204.9	11030.5	10958.2
11281.4	20°	11715.2	12051.1	12212.7	11970.3	11693.9	11396.2	11056.0	10749.9	10588.3	10516.0
11621.6	22.5°	12080.9	12404.0	12331.7	11859.7	11468.5	10992.3	10567.0	10341.7	10260.9	10209.8
12059.6	25°	12518.8	12795.2	12416.8	11698.1	11098.6	10456.5	10129.0	10056.7	10018.5	9980.2
12595.4	27.5°	13088.7	13237.5	12480.6	11460.0	10520.2	9886.7	9767.6	9780.3	9767.6	9703.8
13339.5	30°	13841.3	13811.5	12540.1	11073.1	9856.9	9372.1	9380.6	9435.9	9444.4	9401.9
14377.1	32.5°	14832.1	14530.2	12569.9	10571.3	9223.3	8921.4	8929.9	8989.4	9031.9	8959.6
15733.6	35°	16031.3	15367.9	12523.1	9941.9	8734.3	8491.9	8428.1	8445.1	8457.9	8389.8
17379.2	37.5°	17430.3	16307.7	12314.7	9244.6	8330.3	8070.9	7934.8	7820.0	7752.0	7688.2
19241.8	40°	18965.4	17332.5	11932.0	8564.2	7879.6	7624.4	7420.3	7203.4	6973.8	6888.8
21214.8	42.5°	20572.7	18387.0	11468.5	7913.6	7360.8	7152.4	6935.5	6620.9	6276.4	6102.1
23264.5	45°	22239.7	19467.1	11013.5	7271.5	6829.2	6739.9	6489.0	6110.6	5736.4	5515.3
25318.3	47.5°	23872.5	20487.7	10345.9	6625.1	6331.7	6429.5	6233.9	5885.2	5468.5	5119.8
27355.2	50°	25433.1	21444.5	9253.1	5970.3	5927.7	6336.0	6148.9	5647.1	5170.8	4724.3
29353.8	52.5°	26981.0	22218.4	7854.0	5374.9	5710.9	6310.4	6038.3	5485.5	4902.9	4435.2
31233.3	55°	28295.0	22618.1	6506.1	4864.7	5396.2	6093.6	5906.5	5294.1	4524.5	4027.0
32521.8	57.5°	29043.4	22294.9	5383.4	4362.9	4962.5	5736.4	5681.1	4885.9	4073.7	3691.0
32772.7	60°	28720.2	20985.2	4464.9	3924.9	4550.0	5349.4	5289.9	4481.9	3729.3	3367.8
31428.9	62.5°	26938.5	18489.1	3737.8	3542.2	4175.8	4954.0	4898.7	4171.5	3465.6	3117.0
27861.2	65°	23349.5	15040.5	3172.2	3223.3	3797.3	4477.7	4558.5	3912.1	3257.3	2917.1
21555.0	67.5°	17808.7	10894.5	2730.0	2946.9	3427.4	4009.9	4243.8	3725.0	3082.9	2759.8
12472.1	70°	10150.3	6187.1	2355.8	2679.0	3099.9	3576.2	4001.4	3576.2	2895.8	2627.9
4673.3	72.5°	3848.4	2840.6	2036.9	2411.1	2785.3	3210.5	3733.5	3342.3	2679.0	2479.1
2415.3	75°	2053.9	1730.7	1713.7	2096.4	2423.8	2853.3	3397.6	3112.7	2517.4	2619.4
1671.2	77.5°	1399.0	1224.7	1433.0	1794.5	2028.4	2457.8	3040.4	2764.0	2181.4	2172.9
1156.6	80°	969.5	867.5	1165.1	1445.8	1569.1	2066.6	2653.4	2372.8	1777.5	1658.4
714.4	82.5°	582.6	565.6	871.7	1080.1	1109.9	1594.6	2198.5	1990.1	1454.3	1267.2
425.2	85°	318.9	335.9	557.1	633.6	646.4	1114.1	1722.2	1539.3	1118.4	939.8
153.1	87.5°	89.3	114.8	204.1	250.9	310.4	578.3	1024.8	914.2	561.3	391.2
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°
10482.0
11251.6
11740.7
11881.0
11804.4
11625.9
11379.2
10962.5
10507.5
10218.3
9980.2
9716.6
9423.1
8993.7
8436.6
7730.7
6927.0
6123.3
5498.3
5081.5
4686.1
4384.1
3984.4
3640.0
3316.8
3061.7
2861.8
2708.7
2593.9
2445.1
2704.5
2002.8
1586.1
1275.7
948.3
391.2
0.0

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