

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: P850548

Luminaire Tested: **GLAN-SB8A-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30053 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

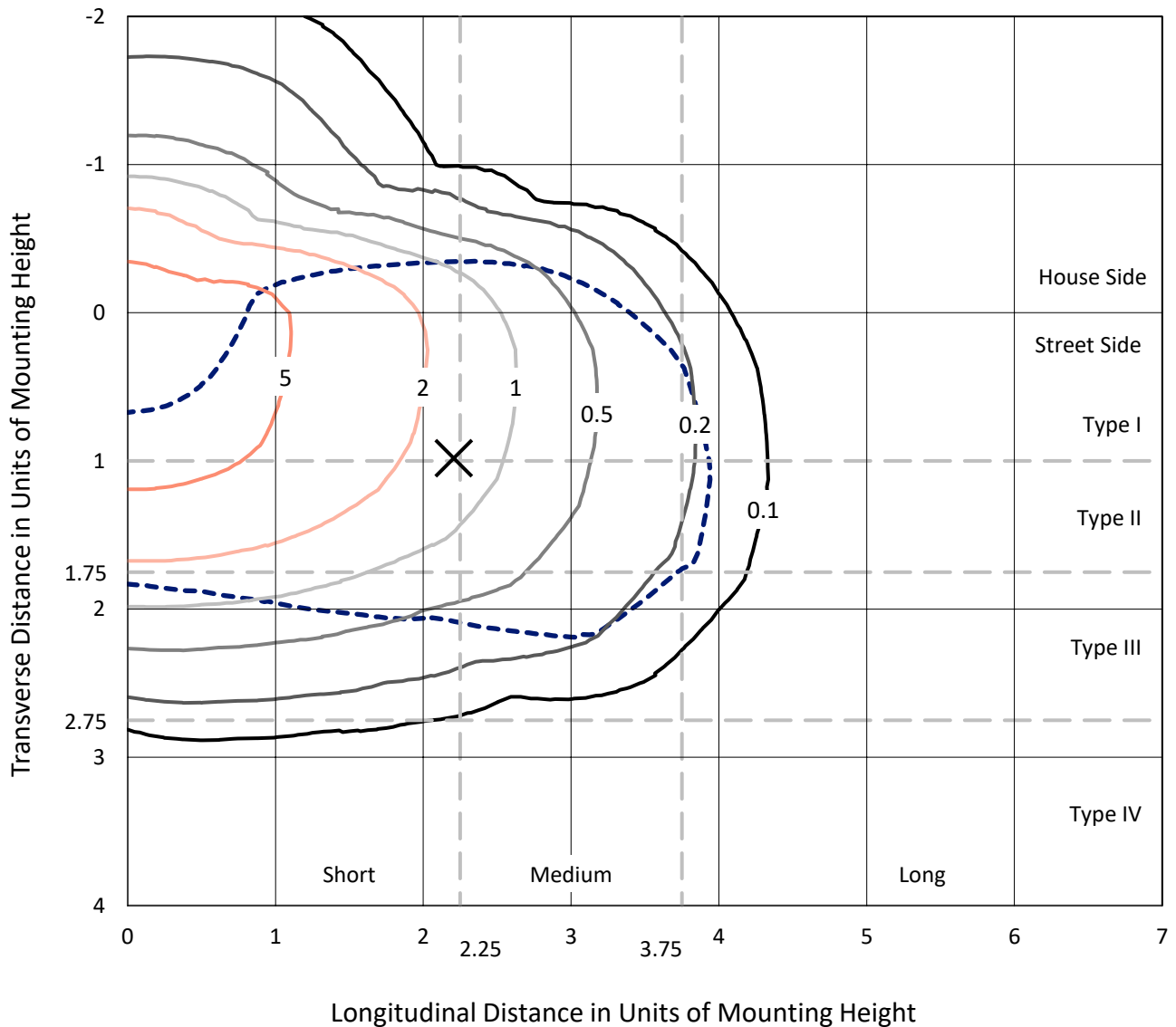
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

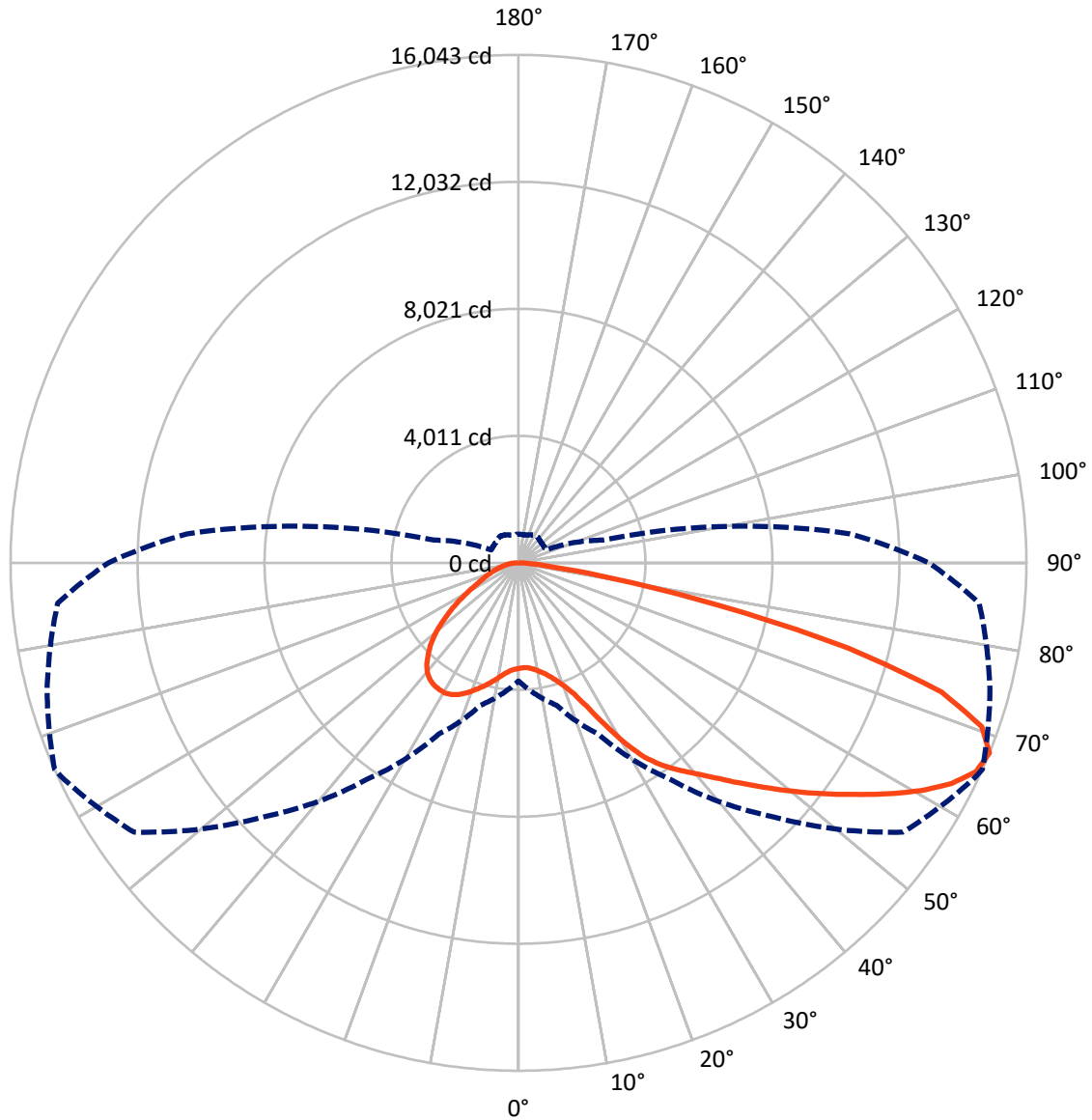
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7472.6	0.0	7472.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22580.4	0.0	22580.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	30053.0	0.0	30053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	1.1
10°-20°	1091.9	3.6
20°-30°	2104.5	7.0
30°-40°	3690.0	12.3
40°-50°	5485.8	18.3
50°-60°	6953.8	23.1
60°-70°	6804.1	22.6
70°-80°	3245.6	10.8
80°-90°	346.9	1.2
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°	30053.0	100.0
0°-180°	30053.0	100.0

Coefficient of Utilization

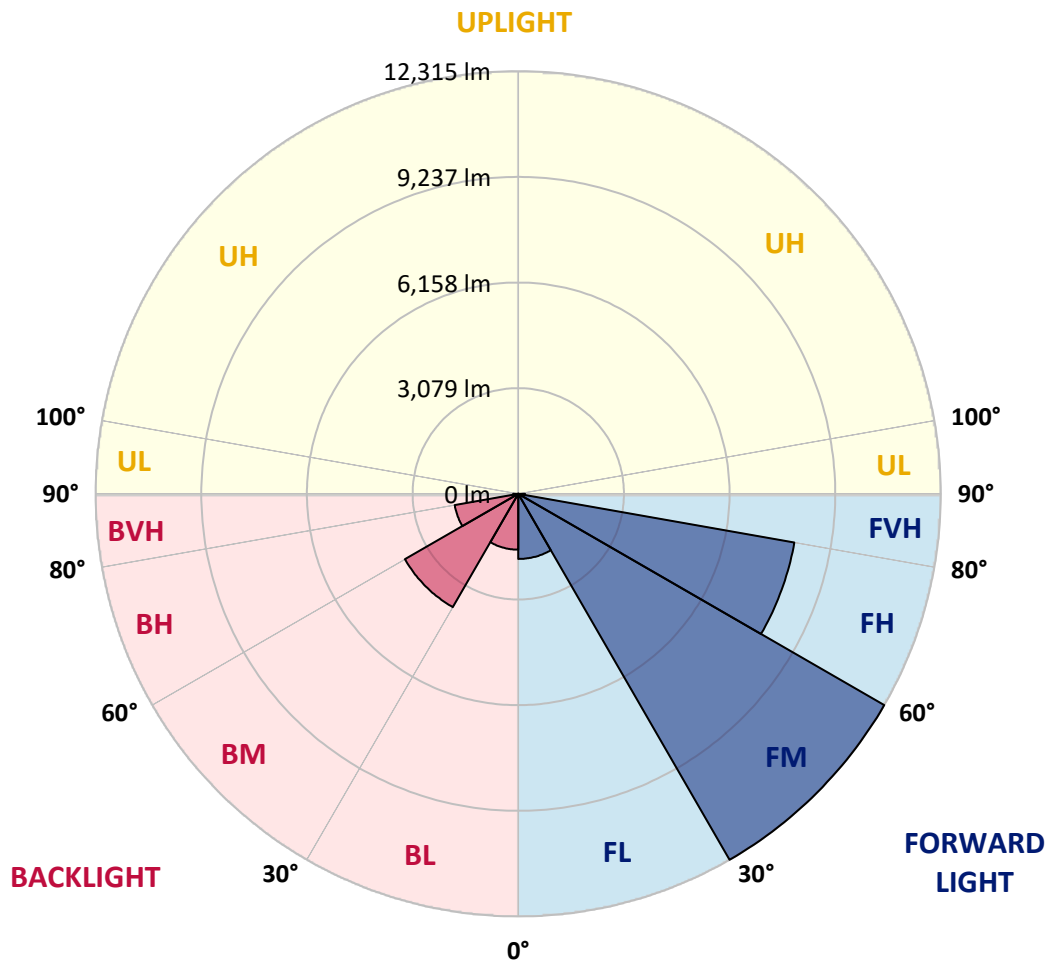


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.1	6.3			
FM (30°-60°)	12315.5	41.0			
FH (60°-80°)	8169.2	27.2			G4/12000
FVH (80°-90°)	196.7	0.7			G2/225
BL (0°-30°)	1627.8	5.4	B3/2500		
BM (30°-60°)	3814.1	12.7	B3/5000		
BH (60°-80°)	1880.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	150.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3
2.5°	3298.5	3317.5	3312.7	3304.9	3303.3	3306.4	3311.2	3315.9	3314.3	3322.2
5°	3289.1	3308.0	3306.4	3306.4	3312.7	3325.4	3333.3	3341.2	3333.3	3342.7
7.5°	3295.4	3309.6	3315.9	3322.2	3338.0	3361.7	3380.6	3398.0	3388.5	3399.6
10°	3375.9	3387.0	3393.3	3393.3	3404.3	3431.2	3450.1	3481.7	3473.8	3491.2
12.5°	3522.8	3533.8	3533.8	3527.5	3535.4	3552.8	3559.1	3593.8	3579.6	3608.0
15°	3702.8	3724.9	3707.5	3696.4	3699.6	3717.0	3715.4	3742.2	3728.0	3751.7
17.5°	3901.7	3930.1	3901.7	3900.1	3893.8	3912.8	3914.3	3938.0	3912.8	3930.1
20°	4137.0	4176.5	4152.8	4160.7	4146.5	4154.4	4162.3	4197.0	4157.5	4170.1
22.5°	4468.6	4515.9	4490.7	4520.7	4511.2	4504.9	4503.3	4564.9	4503.3	4508.1
25°	4951.8	5008.6	4964.4	5005.4	5005.4	5026.0	5049.7	5128.6	5026.0	4996.0
27.5°	5665.5	5722.3	5635.5	5660.7	5652.8	5703.4	5678.1	5873.9	5763.4	5714.4
30°	6524.4	6625.5	6461.3	6455.0	6447.1	6527.6	6563.9	6693.4	6581.3	6532.3
32.5°	7452.9	7558.7	7362.9	7306.0	7276.0	7325.0	7295.0	7399.2	7321.8	7246.0
35°	8435.0	8539.2	8352.9	8242.4	8122.4	8019.8	7912.4	7939.2	7866.6	7751.3
37.5°	9363.5	9554.5	9357.2	9238.7	9017.7	8817.2	8517.1	8392.4	8324.5	8218.7
40°	10309.3	10418.3	10268.3	10167.2	9927.2	9613.0	9133.0	8869.3	8777.7	8675.0
42.5°	11005.6	11109.9	11029.3	10959.9	10772.0	10407.2	9786.7	9456.6	9324.0	9208.7
45°	11558.3	11635.7	11585.1	11610.4	11529.9	11176.2	10464.1	10086.7	9949.3	9808.8
47.5°	11780.9	11863.0	11943.6	12093.6	12231.0	11970.4	11192.0	10768.8	10623.5	10479.8
50°	11755.7	11839.4	12073.1	12392.0	12818.3	12731.5	11959.4	11495.1	11360.9	11196.7
52.5°	11553.6	11648.3	11948.3	12478.9	13157.8	13301.5	12741.0	12245.2	12118.8	11923.0
55°	11023.0	11079.9	11529.9	12281.5	13238.4	13699.4	13506.8	13044.1	12917.8	12644.7
57.5°	10039.3	10121.4	10776.7	11749.4	13036.2	13969.4	14179.4	13884.2	13762.6	13369.4
60°	8755.6	8886.6	9636.7	10855.6	12521.5	13967.9	14790.5	14710.0	14608.9	14083.1
62.5°	7302.9	7454.5	8176.1	9592.4	11621.5	13571.5	15172.6	15401.6	15349.5	14741.6
65°	5608.6	5712.8	6431.3	7958.2	10220.9	12720.4	15216.8	15873.7	15883.2	15242.1
67.5°	3734.3	4034.4	4658.1	5971.8	8345.0	11329.3	14828.4	15951.1	16042.7	15414.2
70°	1822.2	2216.9	2828.0	3881.2	5971.8	9196.1	13813.1	15316.3	15520.0	14912.1
72.5°	756.3	884.2	1217.4	1915.3	3428.0	6205.5	11773.0	13595.2	13972.6	13213.1
75°	510.0	552.7	696.3	982.1	1561.6	3060.1	8490.3	10137.2	10745.1	9979.3
77.5°	393.2	420.0	506.9	686.9	928.5	1157.4	4544.4	6109.2	6423.4	5946.5
80°	309.5	330.0	379.0	500.5	658.4	619.0	1549.0	2768.0	2949.6	2474.3
82.5°	268.4	276.3	271.6	339.5	437.4	361.6	508.4	1021.6	1127.4	817.9
85°	194.2	216.3	225.8	210.0	232.1	183.2	208.4	361.6	397.9	355.3
87.5°	79.0	116.8	143.7	135.8	85.3	52.1	64.7	105.8	121.6	132.6
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°
3333.3	0°	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3	3333.3
3334.9	2.5°	3336.4	3347.5	3355.4	3364.9	3371.2	3380.6	3399.6	3410.6	3412.2	3420.1
3360.1	5°	3366.4	3382.2	3399.6	3424.9	3453.3	3477.0	3513.3	3538.5	3548.0	3555.9
3421.7	7.5°	3431.2	3453.3	3484.9	3529.1	3570.1	3601.7	3645.9	3675.9	3705.9	3717.0
3519.6	10°	3527.5	3559.1	3604.9	3664.9	3709.1	3750.1	3795.9	3821.2	3851.2	3863.8
3636.4	12.5°	3647.5	3680.7	3740.7	3824.3	3865.4	3893.8	3909.6	3903.3	3909.6	3920.7
3777.0	15°	3784.9	3821.2	3889.1	3979.1	4007.5	3982.2	3947.5	3915.9	3911.2	3914.3
3947.5	17.5°	3947.5	3974.3	4053.3	4129.1	4108.6	4004.4	3928.6	3878.0	3852.8	3844.9
4165.4	20°	4174.9	4174.9	4239.6	4287.0	4149.6	3972.8	3854.3	3772.2	3720.1	3698.0
4462.3	22.5°	4451.2	4425.9	4467.0	4433.8	4141.7	3884.3	3720.1	3578.0	3499.1	3467.5
4877.5	25°	4801.7	4771.7	4760.7	4555.4	4084.9	3743.8	3477.0	3304.9	3235.4	3218.0
5476.0	27.5°	5330.7	5254.9	5111.2	4621.7	3980.7	3522.8	3192.7	3033.3	2993.8	2995.4
6245.0	30°	6034.9	5883.4	5531.2	4632.8	3810.1	3210.1	2902.2	2788.5	2769.6	2777.5
6890.8	32.5°	6687.1	6543.4	5960.7	4582.3	3548.0	2903.8	2641.7	2565.9	2537.5	2546.9
7383.4	35°	7198.7	7159.2	6358.6	4511.2	3225.9	2616.4	2408.0	2343.2	2288.0	2275.3
7847.6	37.5°	7681.8	7666.1	6657.1	4411.7	2906.9	2412.7	2220.1	2134.8	2054.3	2010.1
8360.8	40°	8212.4	8196.6	6852.9	4258.6	2624.3	2235.9	2051.1	1939.0	1839.5	1759.0
8941.9	42.5°	8809.3	8716.1	6946.0	4039.1	2384.3	2085.9	1913.8	1762.2	1631.1	1556.9
9598.8	45°	9461.4	9251.4	6944.5	3759.6	2182.2	1948.5	1766.9	1552.2	1430.6	1361.1
10273.0	47.5°	10153.0	9763.0	6859.2	3450.1	1986.4	1796.9	1539.5	1375.3	1294.8	1252.1
11005.6	50°	10866.7	10241.4	6713.9	3094.8	1785.9	1624.8	1397.4	1285.3	1223.7	1184.3
11732.0	52.5°	11537.8	10675.6	6538.7	2692.2	1582.2	1457.4	1334.3	1247.4	1182.7	1138.5
12436.2	55°	12161.5	11049.9	6290.7	2280.1	1416.4	1345.3	1304.3	1231.6	1157.4	1105.3
13151.5	57.5°	12715.7	11293.0	5862.8	1893.2	1297.9	1267.9	1272.7	1204.8	1119.5	1075.3
13855.7	60°	13176.8	11471.5	5229.7	1534.8	1201.6	1192.1	1223.7	1154.3	1054.8	1004.2
14451.0	62.5°	13453.1	11468.3	4452.8	1256.9	1119.5	1122.7	1159.0	1091.1	990.0	942.7
14762.1	65°	13429.4	11187.2	3600.1	1075.3	1040.6	1043.7	1091.1	1021.6	936.3	907.9
14605.8	67.5°	12954.1	10501.9	2761.7	956.9	953.7	967.9	1023.2	974.2	903.2	900.0
13674.2	70°	11667.3	9079.3	1989.5	862.1	863.7	884.2	956.9	944.2	885.8	892.1
11496.7	72.5°	9355.6	6922.3	1335.8	762.7	764.2	797.4	893.7	920.6	868.5	952.1
8157.1	75°	6230.7	4317.0	859.0	656.9	658.4	701.1	838.5	874.8	821.1	949.0
4244.4	77.5°	2993.8	1940.6	622.1	552.7	552.7	592.1	724.8	783.2	699.5	737.4
1364.3	80°	1034.2	729.5	489.5	445.3	435.8	462.6	611.1	679.0	603.2	555.8
445.3	82.5°	407.4	379.0	393.2	345.8	314.2	331.6	475.3	560.5	443.7	401.1
251.1	85°	233.7	246.3	277.9	229.0	181.6	203.7	349.0	402.6	334.7	295.3
82.1	87.5°	63.2	86.8	127.9	118.4	82.1	86.8	165.8	222.6	192.6	148.4
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°
3333.3
3418.5
3554.3
3718.6
3870.1
3923.8
3925.4
3855.9
3693.3
3462.8
3221.2
3000.1
2804.3
2559.6
2284.8
2011.6
1766.9
1561.6
1357.9
1242.7
1170.0
1119.5
1084.8
1046.9
982.1
928.5
906.3
904.8
890.6
964.8
956.9
675.8
521.1
399.5
301.6
153.2
0.0

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