

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: P847658

Luminaire Tested: **GLAN-SB3D-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847658
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-SB3D-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25297 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

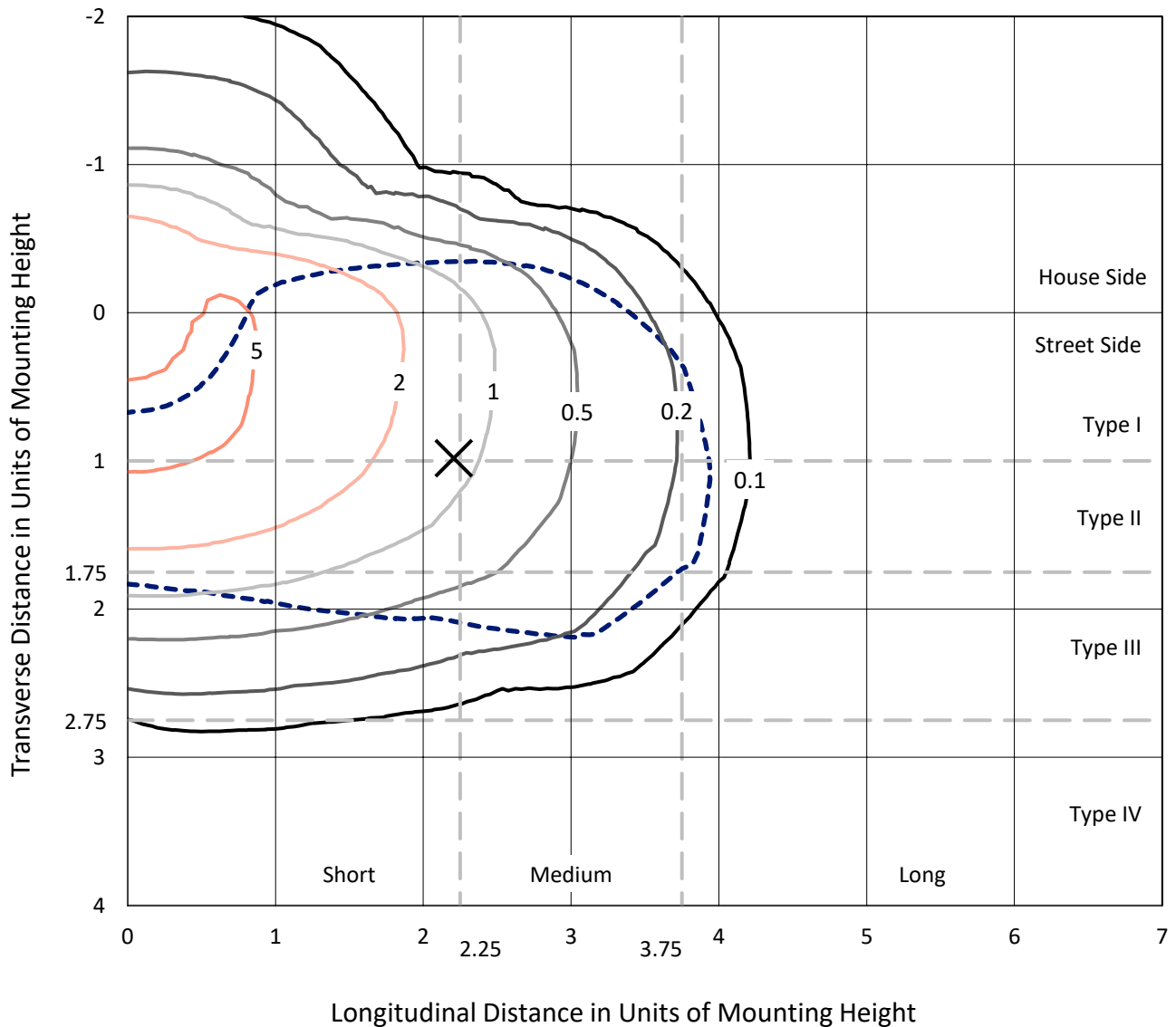
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

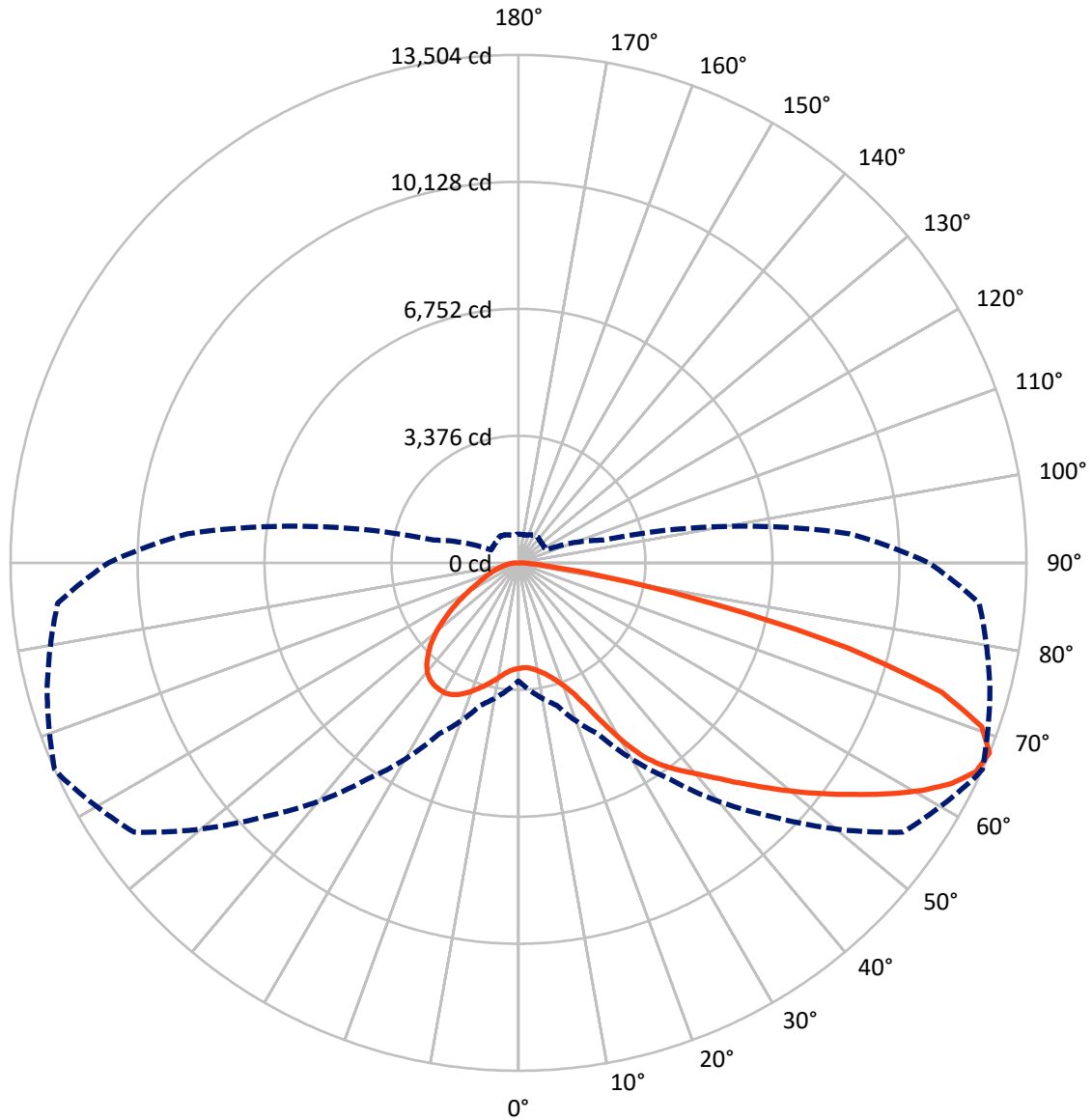
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	6290.0	0.0	6290.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19007.0	0.0	19007.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	25297.0	0.0	25297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	1.1
10°-20°	919.1	3.6
20°-30°	1771.5	7.0
30°-40°	3106.0	12.3
40°-50°	4617.6	18.3
50°-60°	5853.3	23.1
60°-70°	5727.3	22.6
70°-80°	2732.0	10.8
80°-90°	292.0	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°	25297.0	100.0
0°-180°	25297.0	100.0

Coefficient of Utilization



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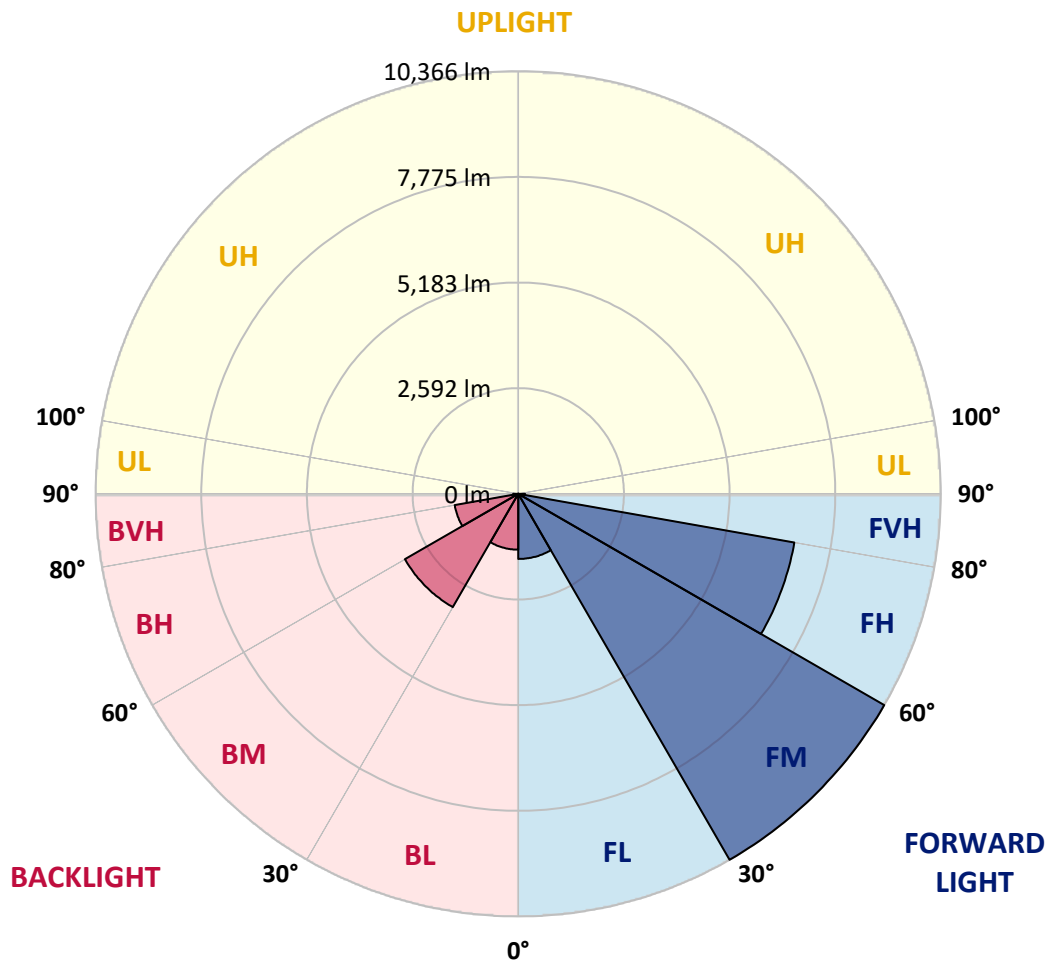
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1598.5	6.3			
FM (30°-60°)	10366.5	41.0			
FH (60°-80°)	6876.4	27.2			G3/7500
FVH (80°-90°)	165.5	0.7			G2/225
BL (0°-30°)	1370.2	5.4	B3/2500		
BM (30°-60°)	3210.5	12.7	B3/5000		
BH (60°-80°)	1582.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	126.4	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8
2.5°	2776.5	2792.5	2788.5	2781.8	2780.5	2783.2	2787.2	2791.2	2789.8	2796.5
5°	2768.6	2784.5	2783.2	2783.2	2788.5	2799.1	2805.8	2812.4	2805.8	2813.7
7.5°	2773.9	2785.8	2791.2	2796.5	2809.8	2829.7	2845.6	2860.3	2852.3	2861.6
10°	2841.7	2851.0	2856.3	2856.3	2865.6	2888.2	2904.1	2930.7	2924.1	2938.7
12.5°	2965.3	2974.6	2974.6	2969.3	2975.9	2990.5	2995.8	3025.1	3013.1	3037.0
15°	3116.8	3135.4	3120.8	3111.5	3114.1	3128.7	3127.4	3150.0	3138.1	3158.0
17.5°	3284.3	3308.2	3284.3	3282.9	3277.6	3293.6	3294.9	3314.8	3293.6	3308.2
20°	3482.3	3515.5	3495.6	3502.2	3490.3	3496.9	3503.6	3532.8	3499.6	3510.2
22.5°	3761.4	3801.3	3780.0	3805.3	3797.3	3792.0	3790.6	3842.5	3790.6	3794.6
25°	4168.1	4216.0	4178.8	4213.3	4213.3	4230.6	4250.5	4317.0	4230.6	4205.3
27.5°	4768.9	4816.7	4743.6	4764.9	4758.2	4800.8	4779.5	4944.3	4851.3	4810.1
30°	5491.9	5577.0	5438.8	5433.4	5426.8	5494.6	5525.2	5634.1	5539.8	5498.6
32.5°	6273.4	6362.5	6197.7	6149.8	6124.6	6165.8	6140.5	6228.3	6163.1	6099.3
35°	7100.2	7187.9	7031.0	6938.0	6837.0	6750.6	6660.2	6682.8	6621.7	6524.6
37.5°	7881.7	8042.5	7876.4	7776.7	7590.6	7421.8	7169.3	7064.3	7007.1	6918.1
40°	8677.8	8769.5	8643.3	8558.2	8356.2	8091.7	7687.6	7465.7	7388.6	7302.2
42.5°	9264.0	9351.7	9283.9	9225.4	9067.3	8760.2	8237.9	7960.1	7848.5	7751.4
45°	9729.2	9794.3	9751.8	9773.0	9705.2	9407.5	8808.1	8490.4	8374.8	8256.5
47.5°	9916.6	9985.7	10053.5	10179.7	10295.4	10076.1	9420.8	9064.6	8942.3	8821.4
50°	9895.3	9965.7	10162.4	10430.9	10789.8	10716.7	10066.8	9676.0	9563.0	9424.8
52.5°	9725.2	9804.9	10057.4	10504.0	11075.6	11196.5	10724.7	10307.3	10201.0	10036.2
55°	9278.6	9326.4	9705.2	10337.9	11143.3	11531.4	11369.3	10979.9	10873.5	10643.6
57.5°	8450.5	8519.7	9071.2	9890.0	10973.2	11758.7	11935.5	11686.9	11584.6	11253.7
60°	7370.0	7480.3	8111.6	9137.7	10539.9	11757.4	12449.9	12382.1	12297.0	11854.4
62.5°	6147.2	6274.8	6882.2	8074.4	9782.3	11423.8	12771.5	12964.2	12920.4	12408.7
65°	4721.0	4808.8	5413.5	6698.8	8603.4	10707.4	12808.7	13361.6	13369.6	12830.0
67.5°	3143.4	3395.9	3920.9	5026.7	7024.4	9536.4	12481.8	13426.8	13503.9	12974.9
70°	1533.8	1866.1	2380.5	3267.0	5026.7	7740.8	11627.1	12892.5	13063.9	12552.2
72.5°	636.6	744.3	1024.8	1612.2	2885.5	5223.4	9909.9	11443.7	11761.4	11122.1
75°	429.3	465.2	586.1	826.7	1314.5	2575.8	7146.7	8532.9	9044.7	8400.0
77.5°	331.0	353.5	426.6	578.2	781.5	974.2	3825.2	5142.4	5406.9	5005.5
80°	260.5	277.8	319.0	421.3	554.2	521.0	1303.9	2329.9	2482.8	2082.7
82.5°	226.0	232.6	228.6	285.8	368.2	304.4	428.0	859.9	949.0	688.5
85°	163.5	182.1	190.1	176.8	195.4	154.2	175.4	304.4	334.9	299.1
87.5°	66.5	98.4	120.9	114.3	71.8	43.9	54.5	89.1	102.3	111.6
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°
2805.8	0°	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8	2805.8
2807.1	2.5°	2808.4	2817.7	2824.4	2832.4	2837.7	2845.6	2861.6	2870.9	2872.2	2878.9
2828.4	5°	2833.7	2847.0	2861.6	2882.9	2906.8	2926.7	2957.3	2978.6	2986.5	2993.2
2880.2	7.5°	2888.2	2906.8	2933.4	2970.6	3005.1	3031.7	3068.9	3094.2	3119.4	3128.7
2962.6	10°	2969.3	2995.8	3034.4	3084.9	3122.1	3156.7	3195.2	3216.5	3241.7	3252.4
3061.0	12.5°	3070.3	3098.2	3148.7	3219.1	3253.7	3277.6	3290.9	3285.6	3290.9	3300.2
3179.3	15°	3185.9	3216.5	3273.6	3349.4	3373.3	3352.0	3322.8	3296.2	3292.2	3294.9
3322.8	17.5°	3322.8	3345.4	3411.9	3475.6	3458.4	3370.6	3306.8	3264.3	3243.1	3236.4
3506.2	20°	3514.2	3514.2	3568.7	3608.6	3492.9	3344.1	3244.4	3175.3	3131.4	3112.8
3756.1	22.5°	3746.8	3725.5	3760.1	3732.2	3486.3	3269.6	3131.4	3011.8	2945.3	2918.7
4105.7	25°	4041.9	4016.6	4007.3	3834.5	3438.4	3151.3	2926.7	2781.8	2723.4	2708.7
4609.4	27.5°	4487.1	4423.3	4302.4	3890.3	3350.7	2965.3	2687.5	2553.2	2520.0	2521.3
5256.7	30°	5079.9	4952.3	4655.9	3899.6	3207.2	2702.1	2442.9	2347.2	2331.3	2337.9
5800.3	32.5°	5628.8	5507.9	5017.4	3857.1	2986.5	2444.3	2223.6	2159.8	2135.9	2143.9
6215.0	35°	6059.5	6026.2	5352.4	3797.3	2715.4	2202.4	2026.9	1972.4	1925.9	1915.3
6605.7	37.5°	6466.2	6452.9	5603.6	3713.6	2446.9	2030.9	1868.7	1797.0	1729.2	1692.0
7037.7	40°	6912.8	6899.5	5768.4	3584.6	2209.0	1882.0	1726.5	1632.2	1548.4	1480.6
7526.8	42.5°	7415.2	7336.7	5846.8	3399.9	2007.0	1755.8	1610.9	1483.3	1373.0	1310.5
8079.7	45°	7964.1	7787.3	5845.5	3164.6	1836.8	1640.1	1487.3	1306.5	1204.2	1145.7
8647.3	47.5°	8546.2	8217.9	5773.7	2904.1	1672.0	1512.5	1295.9	1157.7	1089.9	1054.0
9264.0	50°	9147.0	8620.7	5651.4	2605.1	1503.2	1367.7	1176.3	1081.9	1030.1	996.8
9875.4	52.5°	9711.9	8986.2	5503.9	2266.1	1331.8	1226.8	1123.1	1050.0	995.5	958.3
10468.1	55°	10236.9	9301.2	5295.2	1919.2	1192.2	1132.4	1097.9	1036.7	974.2	930.4
11070.2	57.5°	10703.4	9505.9	4935.0	1593.6	1092.5	1067.3	1071.3	1014.1	942.3	905.1
11663.0	60°	11091.5	9656.1	4402.0	1291.9	1011.5	1003.5	1030.1	971.6	887.9	845.3
12164.1	62.5°	11324.1	9653.4	3748.1	1058.0	942.3	945.0	975.6	918.4	833.4	793.5
12425.9	65°	11304.2	9416.8	3030.4	905.1	875.9	878.5	918.4	859.9	788.2	764.2
12294.4	67.5°	10904.1	8840.0	2324.6	805.4	802.8	814.8	861.3	820.1	760.3	757.6
11510.2	70°	9820.9	7642.4	1674.7	725.7	727.0	744.3	805.4	794.8	745.6	751.0
9677.3	72.5°	7875.0	5826.9	1124.4	642.0	643.3	671.2	752.3	774.9	731.0	801.5
6866.2	75°	5244.7	3633.8	723.0	552.9	554.2	590.1	705.8	736.3	691.1	798.8
3572.7	77.5°	2520.0	1633.5	523.7	465.2	465.2	498.4	610.1	659.2	588.8	620.7
1148.4	80°	870.6	614.1	412.0	374.8	366.8	389.4	514.4	571.5	507.7	467.9
374.8	82.5°	342.9	319.0	331.0	291.1	264.5	279.1	400.1	471.8	373.5	337.6
211.3	85°	196.7	207.3	233.9	192.7	152.8	171.5	293.7	338.9	281.8	248.5
69.1	87.5°	53.2	73.1	107.7	99.7	69.1	73.1	139.6	187.4	162.2	124.9
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°
2805.8
2877.5
2991.8
3130.1
3257.7
3302.9
3304.2
3245.7
3108.8
2914.8
2711.4
2525.3
2360.5
2154.5
1923.2
1693.3
1487.3
1314.5
1143.0
1046.0
984.9
942.3
913.1
881.2
826.7
781.5
762.9
761.6
749.6
812.1
805.4
568.9
438.6
336.3
253.9
128.9
0.0

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