

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: P847568

Luminaire Tested: **GLAN-SB3D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847568
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-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23891 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

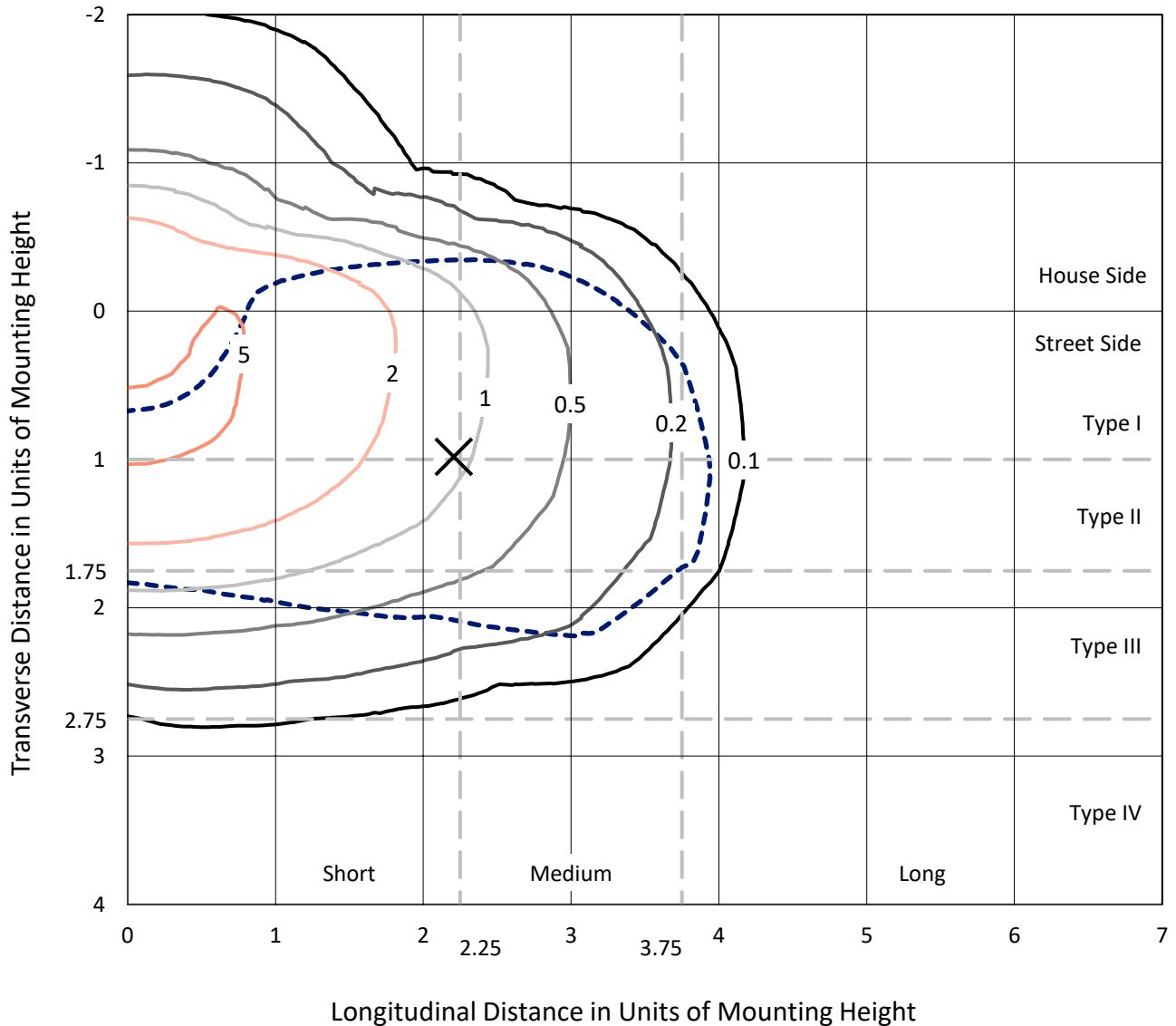
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

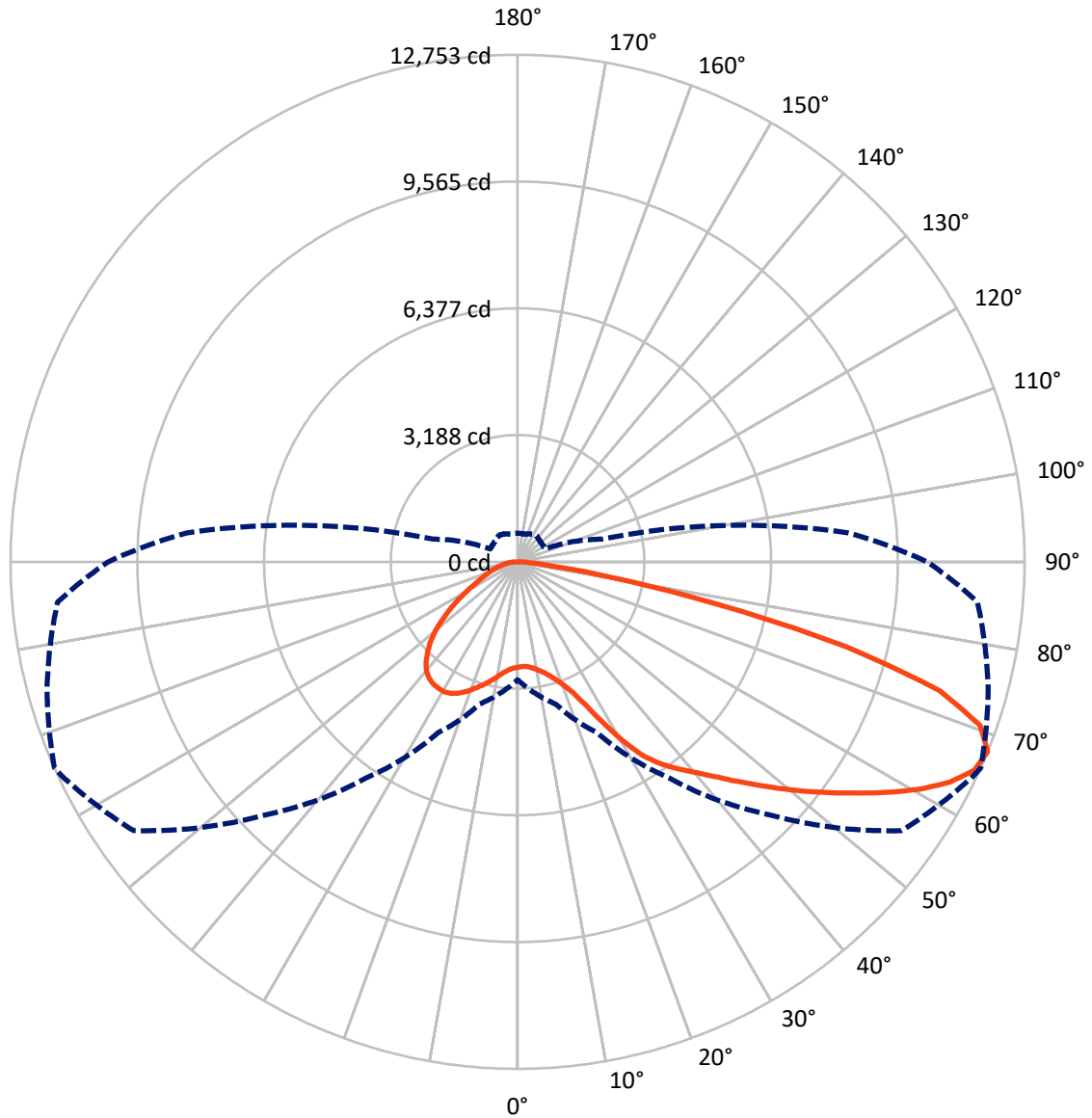
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	5940.4	0.0	5940.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	17950.6	0.0	17950.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	23891.0	0.0	23891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	1.1
10°-20°	868.0	3.6
20°-30°	1673.0	7.0
30°-40°	2933.4	12.3
40°-50°	4361.0	18.3
50°-60°	5528.0	23.1
60°-70°	5409.0	22.6
70°-80°	2580.1	10.8
80°-90°	275.7	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°	23891.0	100.0
0°-180°	23891.0	100.0

Coefficient of Utilization



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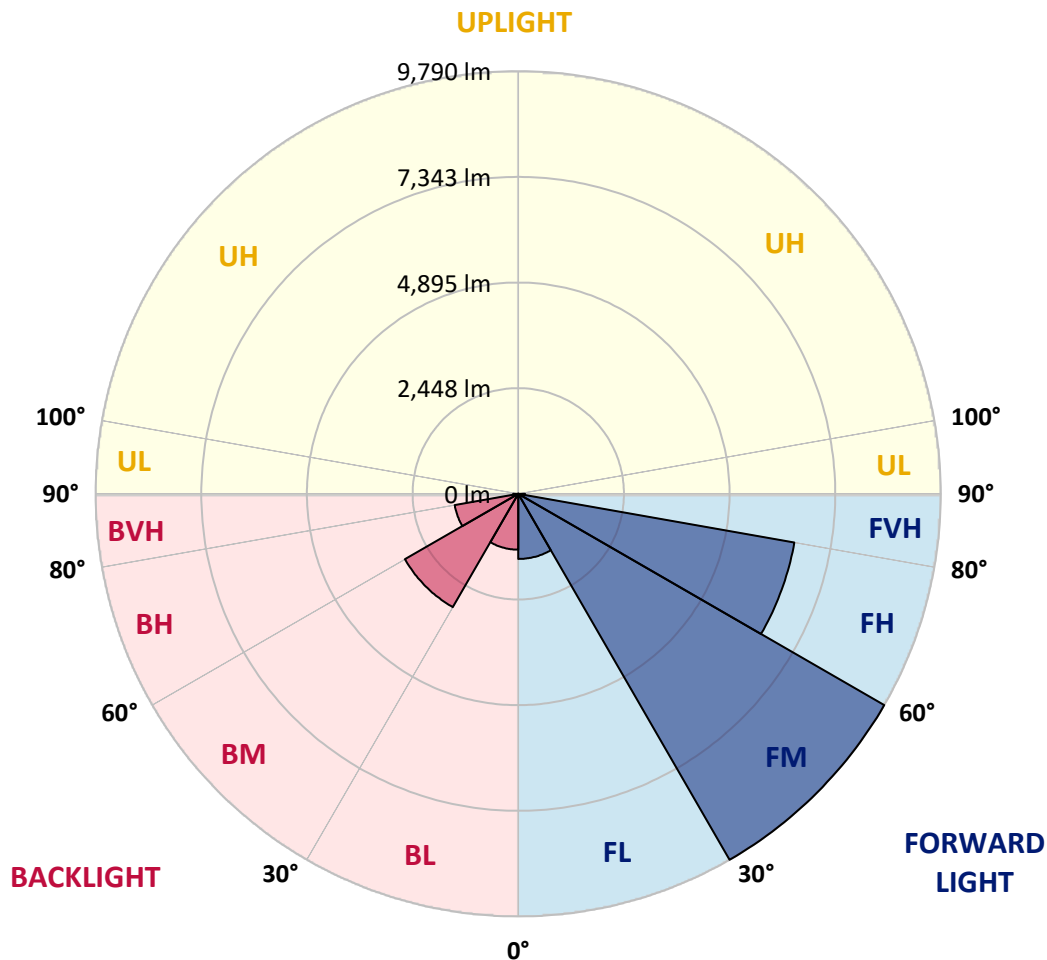
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1509.7	6.3			
FM (30°-60°)	9790.3	41.0			
FH (60°-80°)	6494.2	27.2			G3/7500
FVH (80°-90°)	156.3	0.7			G2/225
BL (0°-30°)	1294.0	5.4	B3/2500		
BM (30°-60°)	3032.1	12.7	B3/5000		
BH (60°-80°)	1494.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	119.4	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°	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8
2.5°	2622.2	2637.3	2633.5	2627.2	2626.0	2628.5	2632.3	2636.0	2634.8	2641.0
5°	2614.7	2629.7	2628.5	2628.5	2633.5	2643.6	2649.8	2656.1	2649.8	2657.4
7.5°	2619.7	2631.0	2636.0	2641.0	2653.6	2672.4	2687.5	2701.3	2693.8	2702.5
10°	2683.7	2692.5	2697.5	2697.5	2706.3	2727.7	2742.7	2767.8	2761.5	2775.4
12.5°	2800.5	2809.2	2809.2	2804.2	2810.5	2824.3	2829.3	2856.9	2845.6	2868.2
15°	2943.6	2961.1	2947.3	2938.5	2941.0	2954.9	2953.6	2974.9	2963.6	2982.5
17.5°	3101.7	3124.3	3101.7	3100.5	3095.4	3110.5	3111.8	3130.6	3110.5	3124.3
20°	3288.7	3320.1	3301.3	3307.6	3296.3	3302.6	3308.8	3336.4	3305.1	3315.1
22.5°	3552.4	3590.0	3569.9	3593.8	3586.2	3581.2	3580.0	3628.9	3580.0	3583.7
25°	3936.5	3981.6	3946.5	3979.1	3979.1	3995.5	4014.3	4077.0	3995.5	3971.6
27.5°	4503.8	4549.0	4480.0	4500.1	4493.8	4534.0	4513.9	4669.5	4581.7	4542.7
30°	5186.7	5267.0	5136.5	5131.5	5125.2	5189.2	5218.1	5321.0	5231.9	5193.0
32.5°	5924.8	6008.9	5853.2	5808.0	5784.2	5823.1	5799.2	5882.1	5820.6	5760.3
35°	6705.5	6788.4	6640.3	6552.4	6457.0	6375.4	6290.0	6311.4	6253.6	6162.0
37.5°	7443.6	7595.5	7438.6	7344.5	7168.7	7009.3	6770.8	6671.6	6617.7	6533.6
40°	8195.5	8282.1	8162.9	8082.5	7891.7	7641.9	7260.4	7050.7	6977.9	6896.3
42.5°	8749.1	8831.9	8767.9	8712.7	8563.3	8273.3	7780.0	7517.7	7412.2	7320.6
45°	9188.4	9249.9	9209.8	9229.8	9165.8	8884.6	8318.5	8018.5	7909.3	7797.6
47.5°	9365.4	9430.7	9494.7	9613.9	9723.1	9516.0	8897.2	8560.8	8445.3	8331.1
50°	9345.3	9411.8	9597.6	9851.2	10190.1	10121.1	9507.2	9138.2	9031.5	8901.0
52.5°	9184.6	9260.0	9498.5	9920.2	10460.0	10574.2	10128.6	9734.4	9634.0	9478.4
55°	8762.9	8808.1	9165.8	9763.3	10524.0	10890.5	10737.4	10369.6	10269.2	10052.0
57.5°	7980.9	8046.1	8567.1	9340.3	10363.3	11105.2	11272.1	11037.4	10940.7	10628.2
60°	6960.3	7064.5	7660.8	8629.8	9954.1	11103.9	11757.9	11693.9	11613.6	11195.6
62.5°	5805.5	5926.0	6499.7	7625.6	9238.6	10788.9	12061.7	12243.7	12202.3	11719.0
65°	4458.6	4541.5	5112.6	6326.4	8125.2	10112.3	12096.8	12619.0	12626.5	12116.9
67.5°	2968.7	3207.2	3703.0	4747.3	6634.0	9006.4	11788.0	12680.5	12753.3	12253.7
70°	1448.6	1762.4	2248.1	3085.4	4747.3	7310.6	10980.9	12175.9	12337.8	11854.6
72.5°	601.3	702.9	967.8	1522.6	2725.1	4933.1	9359.1	10807.7	11107.7	10503.9
75°	405.4	439.3	553.6	780.8	1241.4	2432.7	6749.5	8058.7	8542.0	7933.2
77.5°	312.6	333.9	402.9	546.0	738.1	920.1	3612.6	4856.6	5106.3	4727.3
80°	246.0	262.3	301.3	397.9	523.4	492.1	1231.4	2200.4	2344.8	1967.0
82.5°	213.4	219.7	215.9	269.9	347.7	287.5	404.2	812.1	896.2	650.2
85°	154.4	172.0	179.5	166.9	184.5	145.6	165.7	287.5	316.3	282.4
87.5°	62.8	92.9	114.2	108.0	67.8	41.4	51.5	84.1	96.7	105.4
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°
2649.8	0°	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8	2649.8
2651.1	2.5°	2652.3	2661.1	2667.4	2674.9	2680.0	2687.5	2702.5	2711.3	2712.6	2718.9
2671.2	5°	2676.2	2688.7	2702.5	2722.6	2745.2	2764.1	2792.9	2813.0	2820.5	2826.8
2720.1	7.5°	2727.7	2745.2	2770.3	2805.5	2838.1	2863.2	2898.4	2922.2	2946.1	2954.9
2797.9	10°	2804.2	2829.3	2865.7	2913.4	2948.6	2981.2	3017.6	3037.7	3061.5	3071.6
2890.8	12.5°	2899.6	2926.0	2973.7	3040.2	3072.8	3095.4	3108.0	3103.0	3108.0	3116.8
3002.6	15°	3008.8	3037.7	3091.7	3163.2	3185.8	3165.7	3138.1	3113.0	3109.2	3111.8
3138.1	17.5°	3138.1	3159.5	3222.2	3282.5	3266.2	3183.3	3123.1	3082.9	3062.8	3056.5
3311.3	20°	3318.9	3318.9	3370.3	3408.0	3298.8	3158.2	3064.1	2998.8	2957.4	2939.8
3547.3	22.5°	3538.5	3518.5	3551.1	3524.7	3292.5	3087.9	2957.4	2844.4	2781.6	2756.5
3877.5	25°	3817.2	3793.4	3784.6	3621.4	3247.3	2976.2	2764.1	2627.2	2572.0	2558.2
4353.2	27.5°	4237.7	4177.5	4063.2	3674.1	3164.5	2800.5	2538.1	2411.3	2379.9	2381.2
4964.5	30°	4797.6	4677.1	4397.1	3682.9	3028.9	2551.9	2307.1	2216.8	2201.7	2208.0
5477.9	32.5°	5316.0	5201.7	4738.6	3642.7	2820.5	2308.4	2100.0	2039.8	2017.2	2024.7
5869.5	35°	5722.7	5691.3	5054.9	3586.2	2564.5	2079.9	1914.3	1862.8	1818.9	1808.8
6238.6	37.5°	6106.8	6094.2	5292.1	3507.2	2310.9	1918.0	1764.9	1697.1	1633.1	1597.9
6646.5	40°	6528.5	6516.0	5447.8	3385.4	2086.2	1777.4	1630.6	1541.4	1462.4	1398.3
7108.5	42.5°	7003.0	6929.0	5521.8	3210.9	1895.4	1658.2	1521.4	1400.9	1296.7	1237.7
7630.7	45°	7521.4	7354.5	5520.6	2988.7	1734.8	1549.0	1404.6	1233.9	1137.3	1082.0
8166.6	47.5°	8071.2	7761.2	5452.8	2742.7	1579.1	1428.5	1223.9	1093.3	1029.3	995.4
8749.1	50°	8638.6	8141.5	5337.3	2460.3	1419.7	1291.6	1110.9	1021.8	972.8	941.4
9326.5	52.5°	9172.1	8486.7	5198.0	2140.2	1257.8	1158.6	1060.7	991.6	940.2	905.0
9886.3	55°	9667.9	8784.2	5000.9	1812.6	1126.0	1069.5	1036.8	979.1	920.1	878.7
10455.0	57.5°	10108.5	8977.5	4660.7	1505.0	1031.8	1008.0	1011.7	957.8	890.0	854.8
11014.8	60°	10475.0	9119.4	4157.4	1220.1	955.2	947.7	972.8	917.6	838.5	798.3
11488.0	62.5°	10694.7	9116.9	3539.8	999.2	890.0	892.5	921.4	867.4	787.0	749.4
11735.3	65°	10675.9	8893.4	2862.0	854.8	827.2	829.7	867.4	812.1	744.4	721.8
11611.0	67.5°	10298.1	8348.7	2195.4	760.7	758.2	769.5	813.4	774.5	718.0	715.5
10870.4	70°	9275.0	7217.7	1581.6	685.4	686.6	702.9	760.7	750.6	704.2	709.2
9139.5	72.5°	7437.3	5503.0	1061.9	606.3	607.5	633.9	710.5	731.8	690.4	756.9
6484.6	75°	4953.2	3431.8	682.9	522.2	523.4	557.3	666.5	695.4	652.7	754.4
3374.1	77.5°	2379.9	1542.7	494.6	439.3	439.3	470.7	576.2	622.6	556.1	586.2
1084.5	80°	822.2	579.9	389.1	354.0	346.4	367.8	485.8	539.8	479.5	441.8
354.0	82.5°	323.9	301.3	312.6	274.9	249.8	263.6	377.8	445.6	352.7	318.8
199.6	85°	185.8	195.8	220.9	182.0	144.4	161.9	277.4	320.1	266.1	234.7
65.3	87.5°	50.2	69.0	101.7	94.1	65.3	69.0	131.8	177.0	153.1	118.0
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°
2649.8
2717.6
2825.6
2956.1
3076.6
3119.3
3120.5
3065.3
2936.0
2752.8
2560.7
2385.0
2229.3
2034.8
1816.3
1599.2
1404.6
1241.4
1079.5
987.9
930.1
890.0
862.4
832.2
780.8
738.1
720.5
719.3
708.0
767.0
760.7
537.2
414.2
317.6
239.8
121.8
0.0

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