

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: P847678

Luminaire Tested: **GLAN-SB3D-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847678
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-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26234 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

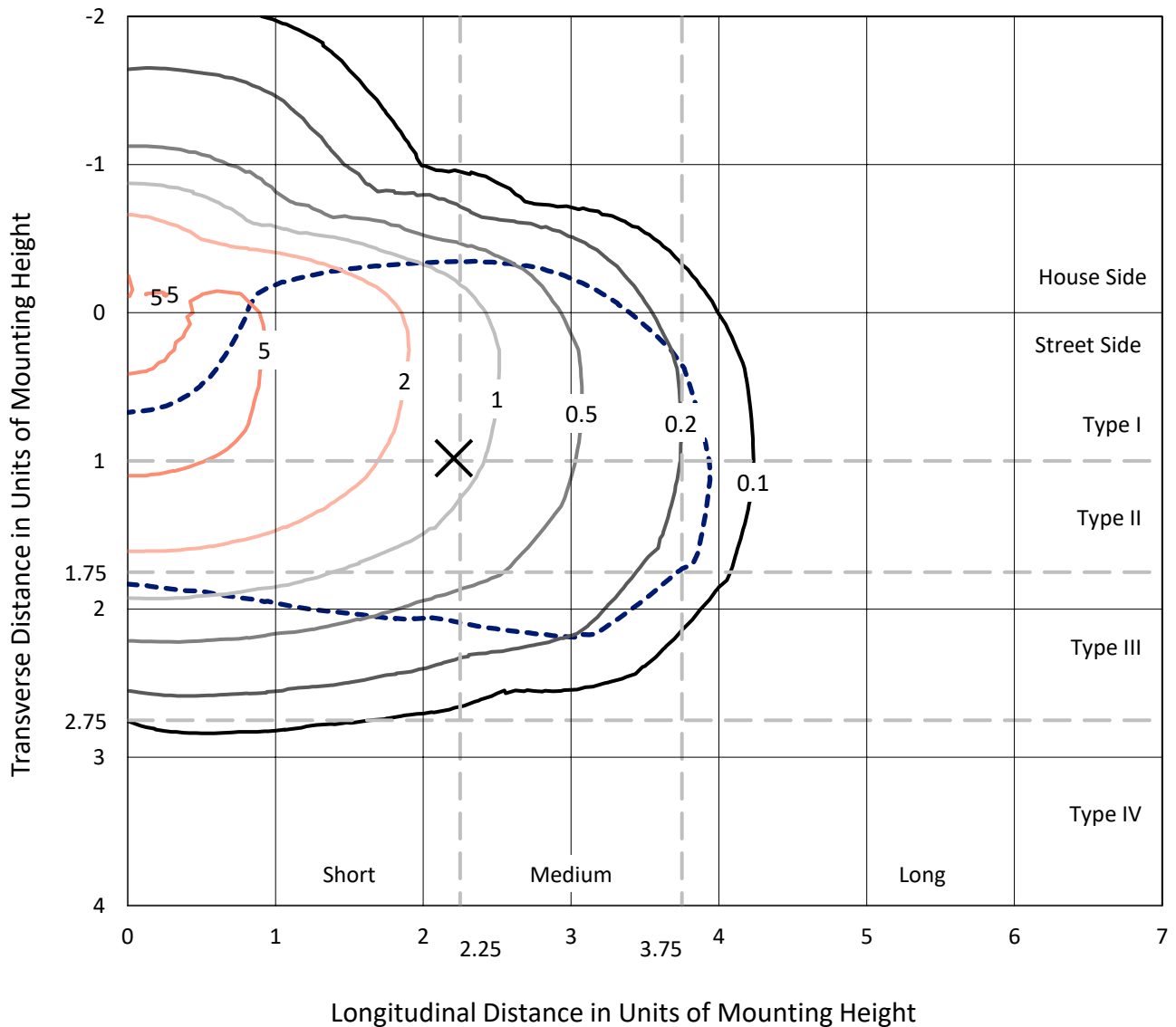
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

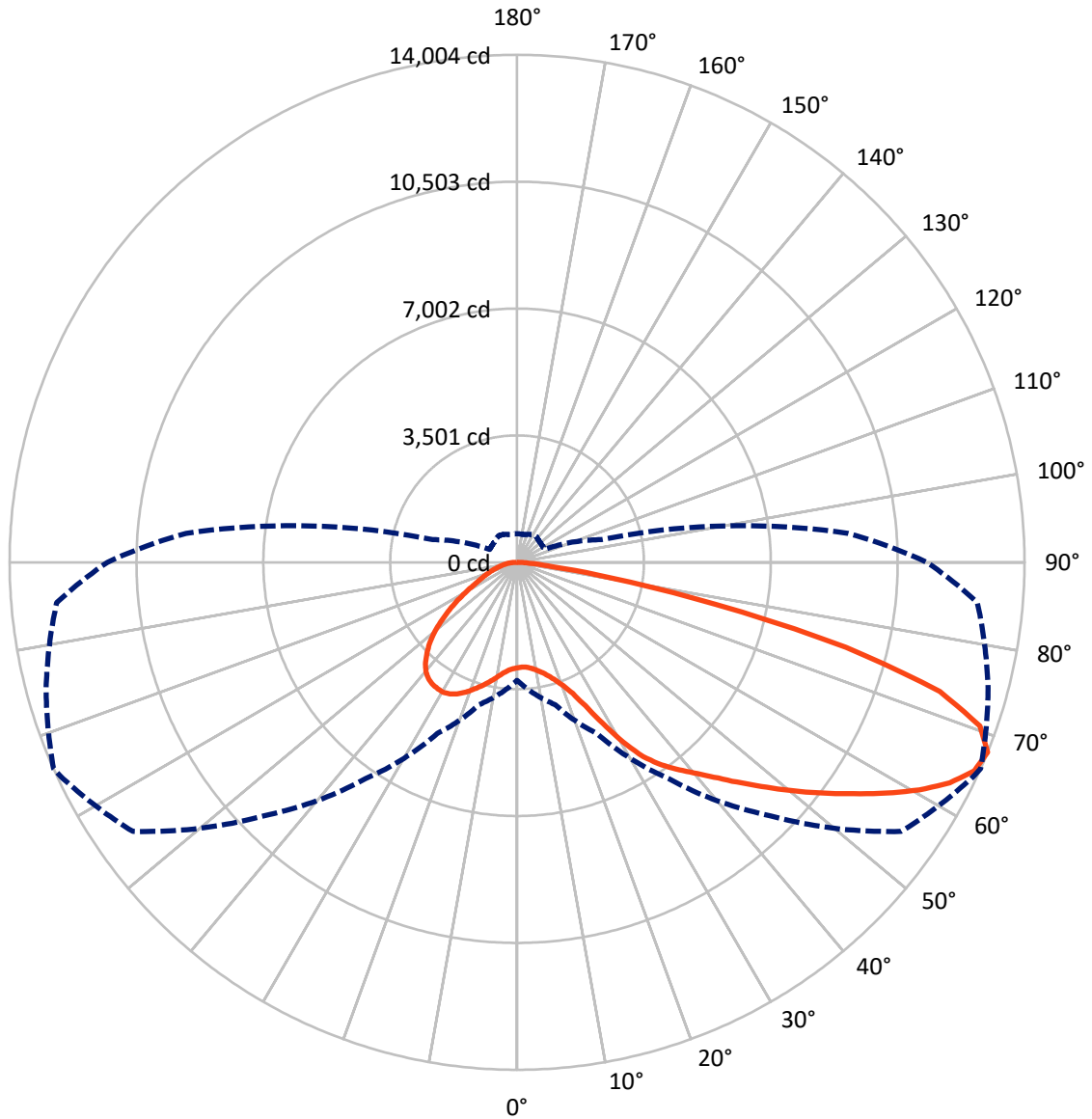
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	6523.0	0.0	6523.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19711.0	0.0	19711.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	26234.0	0.0	26234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	1.1
10°-20°	953.1	3.6
20°-30°	1837.1	7.0
30°-40°	3221.1	12.3
40°-50°	4788.7	18.3
50°-60°	6070.1	23.1
60°-70°	5939.5	22.6
70°-80°	2833.2	10.8
80°-90°	302.8	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°	26234.0	100.0
0°-180°	26234.0	100.0

Coefficient of Utilization



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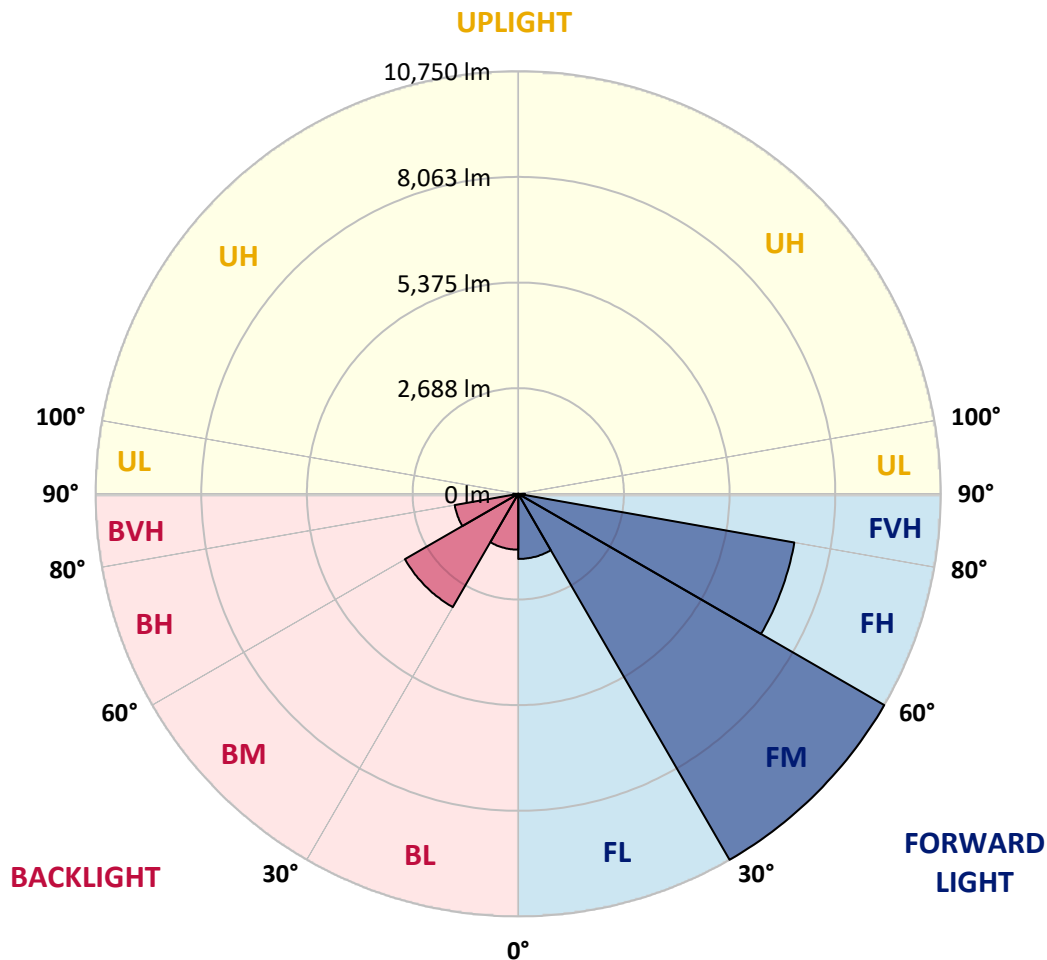
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1657.7	6.3			
FM (30°-60°)	10750.5	41.0			
FH (60°-80°)	7131.1	27.2			G3/7500
FVH (80°-90°)	171.7	0.7			G2/225
BL (0°-30°)	1420.9	5.4	B3/2500		
BM (30°-60°)	3329.4	12.7	B3/5000		
BH (60°-80°)	1641.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	131.1	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°	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7
2.5°	2879.4	2895.9	2891.8	2884.9	2883.5	2886.3	2890.4	2894.5	2893.2	2900.0
5°	2871.1	2887.6	2886.3	2886.3	2891.8	2902.8	2909.7	2916.6	2909.7	2918.0
7.5°	2876.6	2889.0	2894.5	2900.0	2913.8	2934.5	2951.0	2966.2	2957.9	2967.6
10°	2946.9	2956.6	2962.1	2962.1	2971.7	2995.2	3011.7	3039.3	3032.4	3047.5
12.5°	3075.1	3084.7	3084.7	3079.2	3086.1	3101.3	3106.8	3137.1	3124.7	3149.5
15°	3232.2	3251.5	3236.4	3226.7	3229.5	3244.6	3243.3	3266.7	3254.3	3275.0
17.5°	3405.9	3430.7	3405.9	3404.5	3399.0	3415.6	3416.9	3437.6	3415.6	3430.7
20°	3611.3	3645.7	3625.1	3632.0	3619.5	3626.4	3633.3	3663.7	3629.2	3640.2
22.5°	3900.7	3942.1	3920.0	3946.2	3937.9	3932.4	3931.1	3984.8	3931.1	3935.2
25°	4322.5	4372.1	4333.5	4369.4	4369.4	4387.3	4408.0	4476.9	4387.3	4361.1
27.5°	4945.5	4995.1	4919.3	4941.4	4934.5	4978.6	4956.5	5127.5	5031.0	4988.2
30°	5695.3	5783.6	5640.2	5634.7	5627.8	5698.1	5729.8	5842.8	5745.0	5702.2
32.5°	6505.8	6598.2	6427.2	6377.6	6351.4	6394.2	6368.0	6458.9	6391.4	6325.2
35°	7363.1	7454.1	7291.5	7195.0	7090.2	7000.6	6906.9	6930.3	6866.9	6766.3
37.5°	8173.6	8340.4	8168.1	8064.7	7871.8	7696.7	7434.8	7325.9	7266.7	7174.3
40°	8999.2	9094.4	8963.4	8875.2	8665.7	8391.4	7972.4	7742.2	7662.2	7572.7
42.5°	9607.1	9698.1	9627.8	9567.1	9403.1	9084.7	8543.0	8254.9	8139.2	8038.5
45°	10089.5	10157.1	10113.0	10135.0	10064.7	9756.0	9134.3	8804.9	8685.0	8562.3
47.5°	10283.9	10355.5	10425.8	10556.8	10676.7	10449.3	9769.7	9400.3	9273.5	9148.1
50°	10261.8	10334.9	10538.9	10817.3	11189.4	11113.6	10439.6	10034.4	9917.2	9773.9
52.5°	10085.4	10168.1	10430.0	10893.1	11485.8	11611.2	11121.9	10689.1	10578.8	10407.9
55°	9622.3	9671.9	10064.7	10720.8	11556.1	11958.6	11790.4	11386.6	11276.3	11037.8
57.5°	8763.6	8835.2	9407.2	10256.3	11379.7	12194.3	12377.6	12119.8	12013.7	11670.5
60°	7643.0	7757.4	8412.1	9476.2	10930.3	12192.9	12911.0	12840.7	12752.5	12293.5
62.5°	6374.9	6507.2	7137.1	8373.5	10144.7	11846.9	13244.6	13444.4	13398.9	12868.3
65°	4895.9	4986.9	5614.0	6946.9	8922.1	11104.0	13283.2	13856.6	13864.8	13305.2
67.5°	3259.8	3521.7	4066.1	5212.9	7284.6	9889.7	12944.1	13924.1	14004.0	13455.5
70°	1590.6	1935.2	2468.6	3388.0	5212.9	8027.5	12057.8	13370.0	13547.8	13017.1
72.5°	660.2	771.9	1062.7	1671.9	2992.4	5416.9	10277.0	11867.6	12197.0	11534.0
75°	445.2	482.4	607.9	857.3	1363.2	2671.2	7411.4	8849.0	9379.7	8711.2
77.5°	343.2	366.6	442.5	599.6	810.5	1010.3	3966.9	5332.8	5607.1	5190.9
80°	270.2	288.1	330.8	436.9	574.8	540.3	1352.2	2416.2	2574.8	2159.9
82.5°	234.3	241.2	237.1	296.3	381.8	315.6	443.8	891.8	984.1	714.0
85°	169.5	188.8	197.1	183.3	202.6	159.9	181.9	315.6	347.3	310.1
87.5°	68.9	102.0	125.4	118.5	74.4	45.5	56.5	92.3	106.1	115.8
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°
2909.7	0°	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7	2909.7
2911.1	2.5°	2912.5	2922.1	2929.0	2937.3	2942.8	2951.0	2967.6	2977.2	2978.6	2985.5
2933.1	5°	2938.6	2952.4	2967.6	2989.6	3014.5	3035.1	3066.8	3088.9	3097.2	3104.0
2986.9	7.5°	2995.2	3014.5	3042.0	3080.6	3116.4	3144.0	3182.6	3208.8	3235.0	3244.6
3072.3	10°	3079.2	3106.8	3146.8	3199.2	3237.7	3273.6	3313.6	3335.6	3361.8	3372.8
3174.3	12.5°	3184.0	3212.9	3265.3	3338.4	3374.2	3399.0	3412.8	3407.3	3412.8	3422.4
3297.0	15°	3303.9	3335.6	3394.9	3473.4	3498.3	3476.2	3445.9	3418.3	3414.2	3416.9
3445.9	17.5°	3445.9	3469.3	3538.2	3604.4	3586.5	3495.5	3429.3	3385.2	3363.2	3356.3
3636.1	20°	3644.4	3644.4	3700.9	3742.2	3622.3	3467.9	3364.6	3292.9	3247.4	3228.1
3895.2	22.5°	3885.6	3863.5	3899.4	3870.4	3615.4	3390.7	3247.4	3123.3	3054.4	3026.9
4257.7	25°	4191.6	4165.4	4155.7	3976.5	3565.8	3268.1	3035.1	2884.9	2824.2	2809.1
4780.1	27.5°	4653.3	4587.1	4461.7	4034.4	3474.8	3075.1	2787.0	2647.8	2613.4	2614.7
5451.4	30°	5268.1	5135.7	4828.4	4044.1	3326.0	2802.2	2533.4	2434.2	2417.6	2424.5
6015.1	32.5°	5837.3	5711.9	5203.3	4000.0	3097.2	2534.8	2306.0	2239.8	2215.0	2223.3
6445.2	35°	6283.9	6249.4	5550.6	3937.9	2816.0	2283.9	2102.0	2045.5	1997.2	1986.2
6850.4	37.5°	6705.7	6691.9	5811.1	3851.1	2537.5	2106.1	1938.0	1863.5	1793.2	1754.6
7298.4	40°	7168.8	7155.0	5982.0	3717.4	2290.8	1951.7	1790.5	1692.6	1605.8	1535.5
7805.6	42.5°	7689.8	7608.5	6063.4	3525.8	2081.3	1820.8	1670.6	1538.2	1423.8	1359.1
8379.0	45°	8259.1	8075.8	6062.0	3281.9	1904.9	1700.9	1542.4	1354.9	1248.8	1188.1
8967.5	47.5°	8862.8	8522.3	5987.6	3011.7	1734.0	1568.6	1343.9	1200.5	1130.2	1093.0
9607.1	50°	9485.8	8940.0	5860.7	2701.6	1558.9	1418.3	1219.8	1122.0	1068.2	1033.8
10241.1	52.5°	10071.6	9319.0	5707.7	2350.1	1381.1	1272.2	1164.7	1088.9	1032.4	993.8
10855.9	55°	10616.1	9645.7	5491.3	1990.3	1236.4	1174.4	1138.5	1075.1	1010.3	964.8
11480.3	57.5°	11099.9	9858.0	5117.8	1652.6	1133.0	1106.8	1111.0	1051.7	977.3	938.7
12095.0	60°	11502.3	10013.7	4565.1	1339.8	1048.9	1040.7	1068.2	1007.6	920.7	876.6
12614.7	62.5°	11743.5	10011.0	3886.9	1097.2	977.3	980.0	1011.7	952.4	864.2	822.9
12886.2	65°	11722.9	9765.6	3142.6	938.7	908.3	911.1	952.4	891.8	817.4	792.6
12749.7	67.5°	11308.0	9167.4	2410.7	835.3	832.5	844.9	893.2	850.4	788.4	785.7
11936.5	70°	10184.6	7925.5	1736.7	752.6	754.0	771.9	835.3	824.3	773.3	778.8
10035.8	72.5°	8166.7	6042.7	1166.1	665.7	667.1	696.1	780.1	803.6	758.1	831.1
7120.6	75°	5439.0	3768.4	749.8	573.4	574.8	612.0	731.9	763.6	716.7	828.4
3705.0	77.5°	2613.4	1694.0	543.1	482.4	482.4	516.9	632.7	683.7	610.6	643.7
1190.9	80°	902.8	636.8	427.3	388.7	380.4	403.9	533.4	592.7	526.5	485.2
388.7	82.5°	355.6	330.8	343.2	301.9	274.3	289.5	414.9	489.3	387.3	350.1
219.2	85°	204.0	215.0	242.6	199.9	158.5	177.8	304.6	351.5	292.2	257.8
71.7	87.5°	55.1	75.8	111.6	103.4	71.7	75.8	144.7	194.3	168.2	129.6
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°
2909.7
2984.1
3102.7
3246.0
3378.3
3425.2
3426.6
3365.9
3224.0
3022.7
2811.8
2618.9
2447.9
2234.3
1994.5
1756.0
1542.4
1363.2
1185.4
1084.8
1021.4
977.3
946.9
913.8
857.3
810.5
791.2
789.8
777.4
842.2
835.3
589.9
454.9
348.7
263.3
133.7
0.0

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