

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: P849208

Luminaire Tested: **GLAN-SB6A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849208
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-SB6A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23373 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

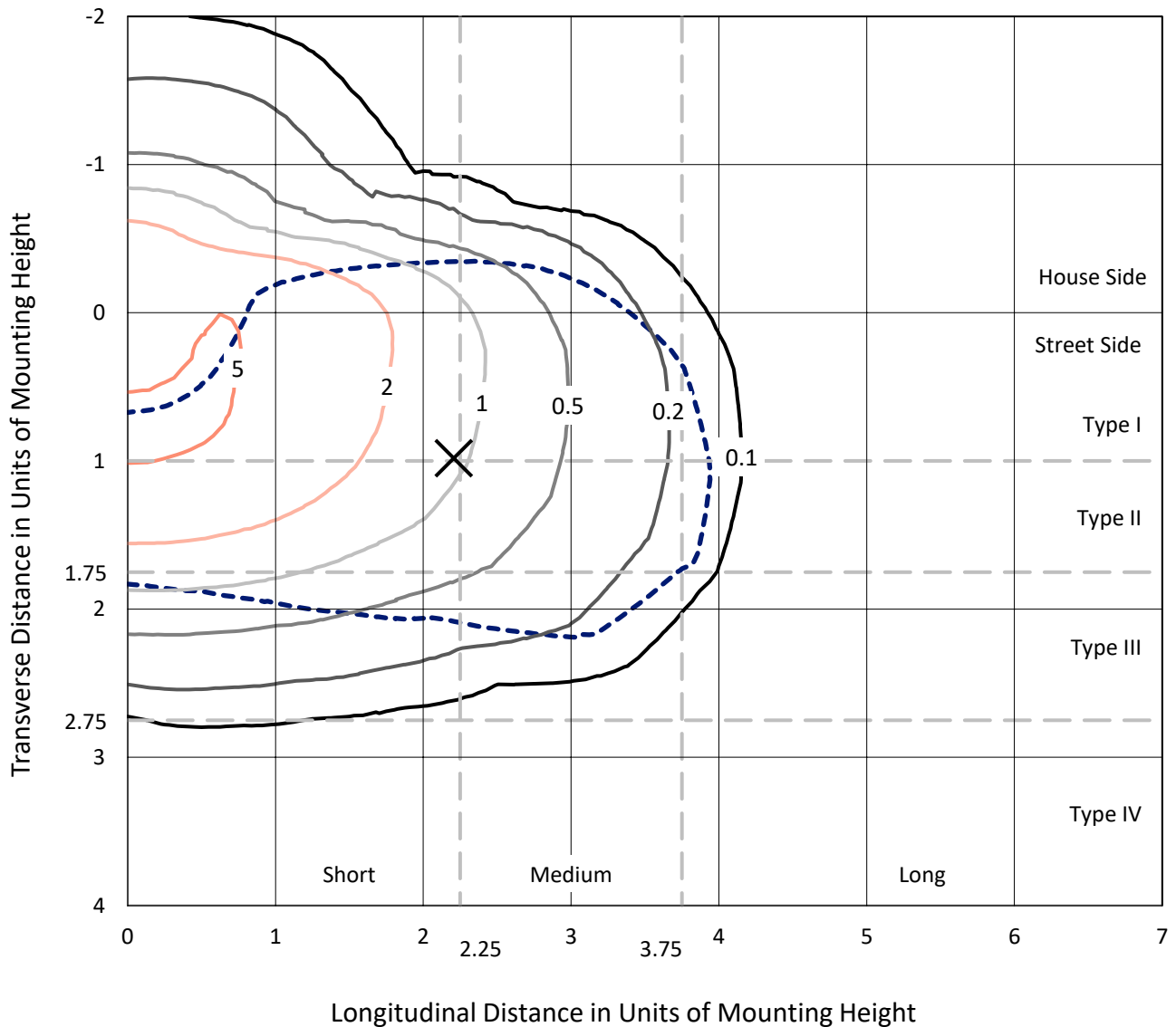
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

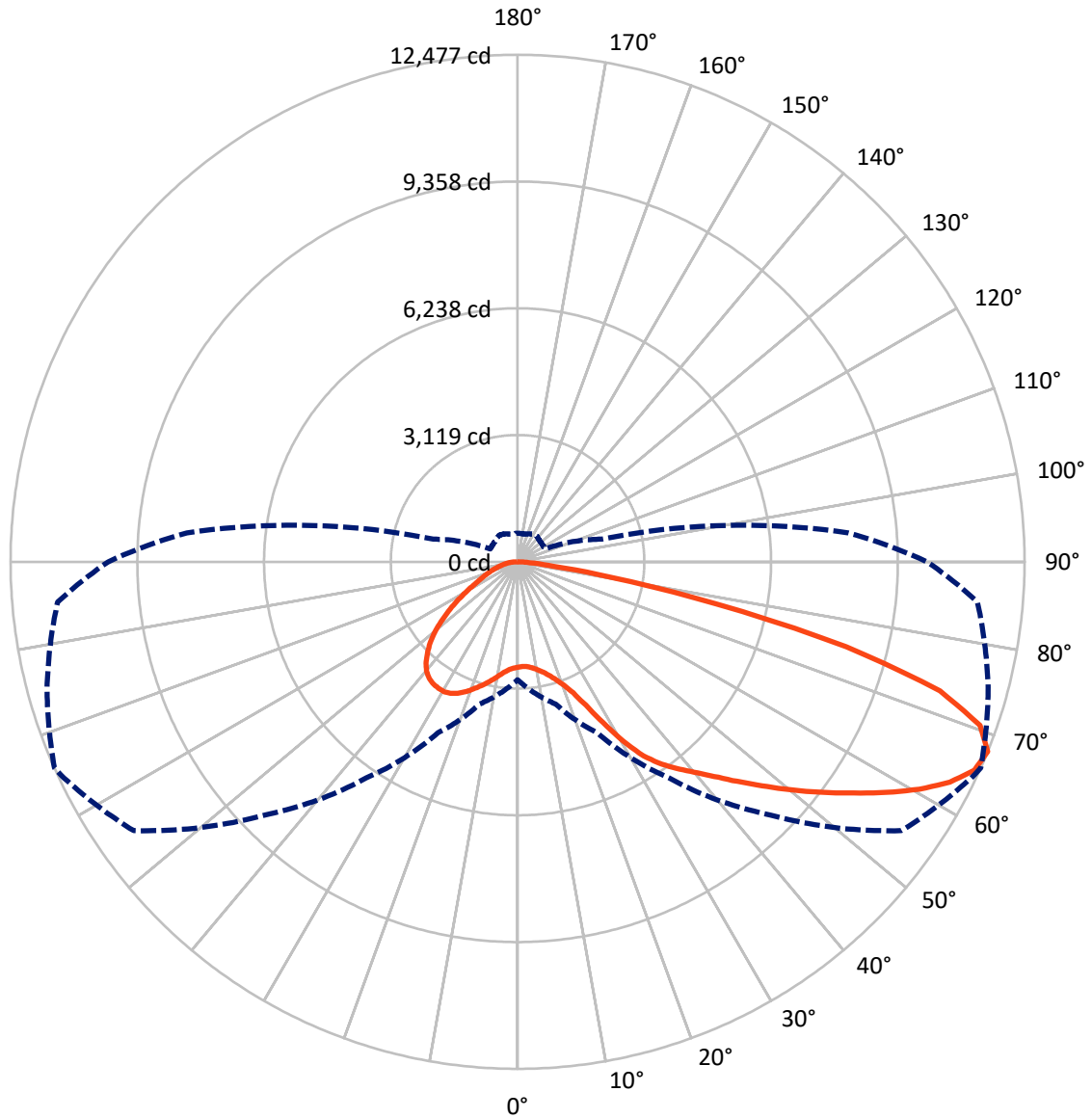
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5811.6	0.0	5811.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	17561.4	0.0	17561.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	23373.0	0.0	23373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	1.1
10°-20°	849.2	3.6
20°-30°	1636.7	7.0
30°-40°	2869.8	12.3
40°-50°	4266.4	18.3
50°-60°	5408.1	23.1
60°-70°	5291.7	22.6
70°-80°	2524.2	10.8
80°-90°	269.8	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°	23373.0	100.0
0°-180°	23373.0	100.0

Coefficient of Utilization



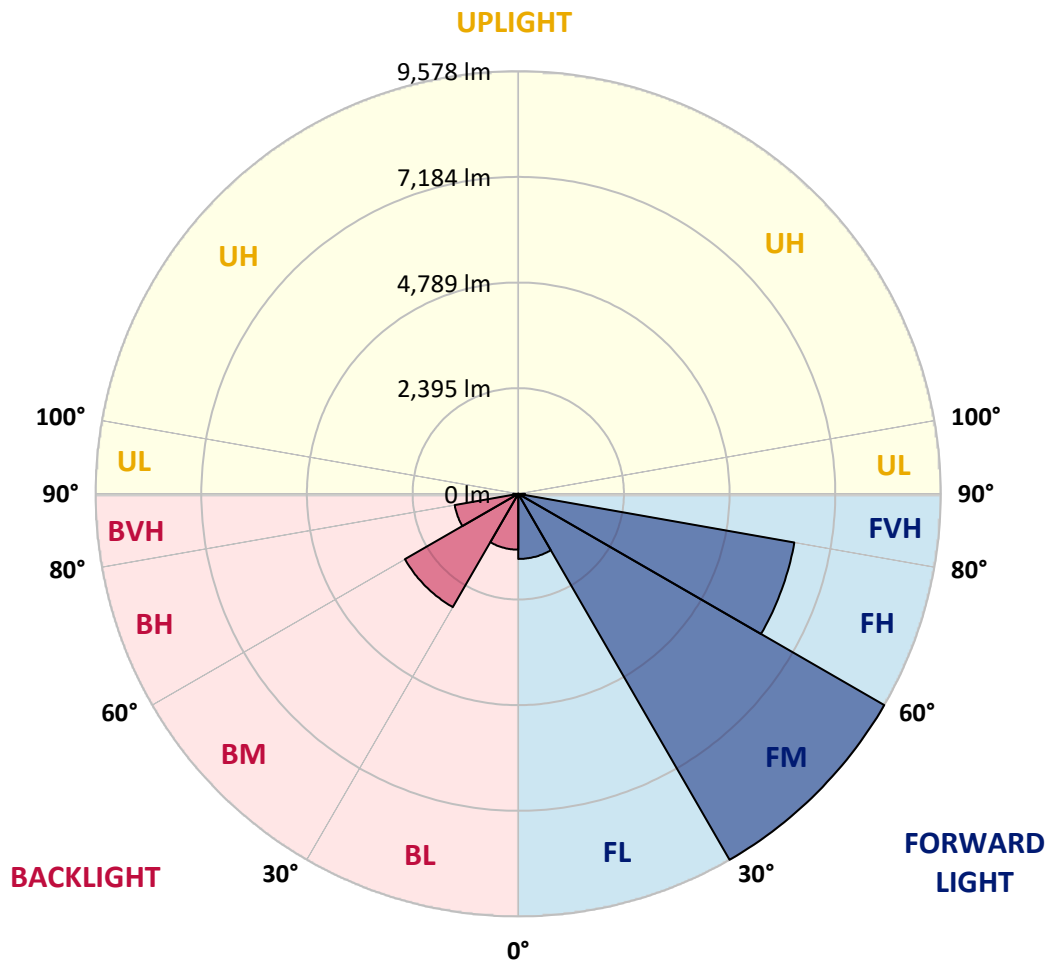
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.9	6.3			
FM (30°-60°)	9578.1	41.0			
FH (60°-80°)	6353.4	27.2			G3/7500
FVH (80°-90°)	152.9	0.7			G2/225
BL (0°-30°)	1266.0	5.4	B3/2500		
BM (30°-60°)	2966.3	12.7	B3/5000		
BH (60°-80°)	1462.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	116.8	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°	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4
2.5°	2565.4	2580.1	2576.4	2570.3	2569.0	2571.5	2575.2	2578.9	2577.6	2583.8
5°	2558.0	2572.7	2571.5	2571.5	2576.4	2586.2	2592.4	2598.5	2592.4	2599.7
7.5°	2562.9	2574.0	2578.9	2583.8	2596.1	2614.5	2629.2	2642.7	2635.4	2644.0
10°	2625.5	2634.1	2639.0	2639.0	2647.6	2668.5	2683.2	2707.8	2701.7	2715.2
12.5°	2739.7	2748.3	2748.3	2743.4	2749.6	2763.1	2768.0	2795.0	2783.9	2806.1
15°	2879.7	2896.9	2883.4	2874.8	2877.3	2890.8	2889.6	2910.4	2899.4	2917.8
17.5°	3034.5	3056.6	3034.5	3033.2	3028.3	3043.1	3044.3	3062.7	3043.1	3056.6
20°	3217.4	3248.1	3229.7	3235.9	3224.8	3231.0	3237.1	3264.1	3233.4	3243.2
22.5°	3475.3	3512.2	3492.5	3515.9	3508.5	3503.6	3502.3	3550.2	3502.3	3506.0
25°	3851.1	3895.3	3860.9	3892.9	3892.9	3908.8	3927.2	3988.6	3908.8	3885.5
27.5°	4406.2	4450.4	4382.8	4402.5	4396.4	4435.6	4416.0	4568.3	4482.3	4444.2
30°	5074.2	5152.8	5025.1	5020.2	5014.1	5076.7	5104.9	5205.6	5118.4	5080.4
32.5°	5796.3	5878.6	5726.3	5682.1	5658.8	5696.8	5673.5	5754.6	5694.4	5635.4
35°	6560.1	6641.2	6496.3	6410.3	6317.0	6237.2	6153.7	6174.5	6118.1	6028.4
37.5°	7282.2	7430.8	7277.3	7185.2	7013.3	6857.3	6624.0	6527.0	6474.2	6391.9
40°	8017.8	8102.6	7985.9	7907.3	7720.6	7476.3	7102.9	6897.9	6826.6	6746.8
42.5°	8559.4	8640.4	8577.8	8523.8	8377.6	8094.0	7611.3	7354.7	7251.5	7161.9
45°	8989.2	9049.4	9010.1	9029.7	8967.1	8692.0	8138.2	7844.7	7737.8	7628.5
47.5°	9162.3	9226.2	9288.8	9405.5	9512.3	9309.7	8704.3	8375.2	8262.2	8150.4
50°	9142.7	9207.8	9389.5	9637.6	9969.2	9901.6	9301.1	8940.1	8835.7	8708.0
52.5°	8985.5	9059.2	9292.5	9705.1	10233.2	10344.9	9909.0	9523.4	9425.1	9272.9
55°	8572.9	8617.1	8967.1	9551.6	10295.8	10654.4	10504.6	10144.8	10046.5	9834.1
57.5°	7807.8	7871.7	8381.3	9137.8	10138.6	10864.4	11027.7	10798.1	10703.5	10397.7
60°	6809.4	6911.4	7494.7	8442.7	9738.3	10863.2	11503.0	11440.3	11361.7	10952.8
62.5°	5679.6	5797.5	6358.7	7460.3	9038.3	10554.9	11800.2	11978.2	11937.7	11464.9
65°	4362.0	4443.0	5001.8	6189.3	7949.0	9893.0	11834.5	12345.4	12352.8	11854.2
67.5°	2904.3	3137.6	3622.7	4644.4	6490.1	8811.1	11532.4	12405.6	12476.8	11988.0
70°	1417.1	1724.2	2199.4	3018.5	4644.4	7152.1	10742.8	11911.9	12070.3	11597.5
72.5°	588.2	687.7	946.8	1489.6	2666.1	4826.2	9156.2	10573.4	10866.9	10276.2
75°	396.7	429.8	541.6	763.8	1214.5	2379.9	6603.1	7884.0	8356.8	7761.2
77.5°	305.8	326.7	394.2	534.2	722.1	900.1	3534.3	4751.3	4995.6	4624.8
80°	240.7	256.7	294.7	389.3	512.1	481.4	1204.7	2152.7	2294.0	1924.3
82.5°	208.8	214.9	211.2	264.0	340.2	281.2	395.4	794.5	876.8	636.1
85°	151.0	168.2	175.6	163.3	180.5	142.5	162.1	281.2	309.5	276.3
87.5°	61.4	90.9	111.8	105.6	66.3	40.5	50.3	82.3	94.6	103.2
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°
2592.4	0°	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4	2592.4
2593.6	2.5°	2594.8	2603.4	2609.6	2616.9	2621.8	2629.2	2644.0	2652.5	2653.8	2659.9
2613.3	5°	2618.2	2630.4	2644.0	2663.6	2685.7	2704.1	2732.4	2752.0	2759.4	2765.5
2661.1	7.5°	2668.5	2685.7	2710.3	2744.7	2776.6	2801.1	2835.5	2858.9	2882.2	2890.8
2737.3	10°	2743.4	2768.0	2803.6	2850.3	2884.6	2916.6	2952.2	2971.8	2995.2	3005.0
2828.2	12.5°	2836.8	2862.5	2909.2	2974.3	3006.2	3028.3	3040.6	3035.7	3040.6	3049.2
2937.5	15°	2943.6	2971.8	3024.6	3094.6	3116.7	3097.1	3070.1	3045.5	3041.8	3044.3
3070.1	17.5°	3070.1	3091.0	3152.4	3211.3	3195.3	3114.3	3055.3	3016.0	2996.4	2990.3
3239.5	20°	3246.9	3246.9	3297.3	3334.1	3227.3	3089.7	2997.6	2933.8	2893.2	2876.0
3470.4	22.5°	3461.8	3442.2	3474.1	3448.3	3221.1	3021.0	2893.2	2782.7	2721.3	2696.8
3793.4	25°	3734.4	3711.1	3702.5	3542.9	3176.9	2911.7	2704.1	2570.3	2516.2	2502.7
4258.8	27.5°	4145.8	4086.9	3975.1	3594.4	3095.9	2739.7	2483.1	2359.0	2328.3	2329.6
4856.9	30°	4693.5	4575.6	4301.8	3603.0	2963.2	2496.6	2257.1	2168.7	2154.0	2160.1
5359.1	32.5°	5200.7	5089.0	4635.8	3563.7	2759.4	2258.4	2054.5	1995.6	1973.4	1980.8
5742.3	35°	5598.6	5567.9	4945.3	3508.5	2508.9	2034.8	1872.7	1822.4	1779.4	1769.6
6103.3	37.5°	5974.4	5962.1	5177.4	3431.1	2260.8	1876.4	1726.6	1660.3	1597.7	1563.3
6502.4	40°	6387.0	6374.7	5329.7	3312.0	2041.0	1738.9	1595.2	1508.0	1430.7	1368.0
6954.3	42.5°	6851.2	6778.7	5402.1	3141.3	1854.3	1622.2	1488.4	1370.5	1268.6	1210.8
7465.2	45°	7358.4	7195.0	5400.9	2923.9	1697.1	1515.4	1374.2	1207.2	1112.6	1058.6
7989.6	47.5°	7896.2	7592.9	5334.6	2683.2	1544.9	1397.5	1197.3	1069.6	1007.0	973.8
8559.4	50°	8451.3	7965.0	5221.6	2406.9	1388.9	1263.6	1086.8	999.6	951.7	921.0
9124.3	52.5°	8973.2	8302.7	5085.3	2093.8	1230.5	1133.5	1037.7	970.1	919.8	885.4
9672.0	55°	9458.3	8593.8	4892.5	1773.3	1101.5	1046.3	1014.4	957.9	900.1	859.6
10228.3	57.5°	9889.3	8782.9	4559.7	1472.4	1009.4	986.1	989.8	937.0	870.7	836.3
10776.0	60°	10247.9	8921.6	4067.2	1193.6	934.5	927.2	951.7	897.7	820.3	781.0
11238.9	62.5°	10462.8	8919.2	3463.0	977.5	870.7	873.1	901.4	848.6	770.0	733.1
11480.9	65°	10444.4	8700.6	2799.9	836.3	809.3	811.7	848.6	794.5	728.2	706.1
11359.3	67.5°	10074.8	8167.6	2147.8	744.2	741.7	752.8	795.8	757.7	702.4	700.0
10634.8	70°	9073.9	7061.2	1547.3	670.5	671.7	687.7	744.2	734.4	688.9	693.8
8941.3	72.5°	7276.1	5383.7	1038.9	593.1	594.4	620.2	695.1	715.9	675.4	740.5
6344.0	75°	4845.8	3357.4	668.0	510.9	512.1	545.2	652.1	680.3	638.6	738.0
3300.9	77.5°	2328.3	1509.3	483.8	429.8	429.8	460.5	563.7	609.1	544.0	573.5
1061.0	80°	804.4	567.4	380.7	346.3	338.9	359.8	475.2	528.1	469.1	432.3
346.3	82.5°	316.8	294.7	305.8	268.9	244.4	257.9	369.6	436.0	345.1	311.9
195.3	85°	181.7	191.6	216.1	178.1	141.2	158.4	271.4	313.1	260.3	229.6
63.9	87.5°	49.1	67.5	99.5	92.1	63.9	67.5	128.9	173.2	149.8	115.4
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°
2592.4
2658.7
2764.3
2892.0
3009.9
3051.7
3052.9
2998.9
2872.4
2693.1
2505.2
2333.3
2181.0
1990.6
1777.0
1564.5
1374.2
1214.5
1056.1
966.5
910.0
870.7
843.7
814.2
763.8
722.1
704.9
703.7
692.6
750.3
744.2
525.6
405.3
310.7
234.6
119.1
0.0

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