

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: P851427

Luminaire Tested: **GLAN-SB9B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25904 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

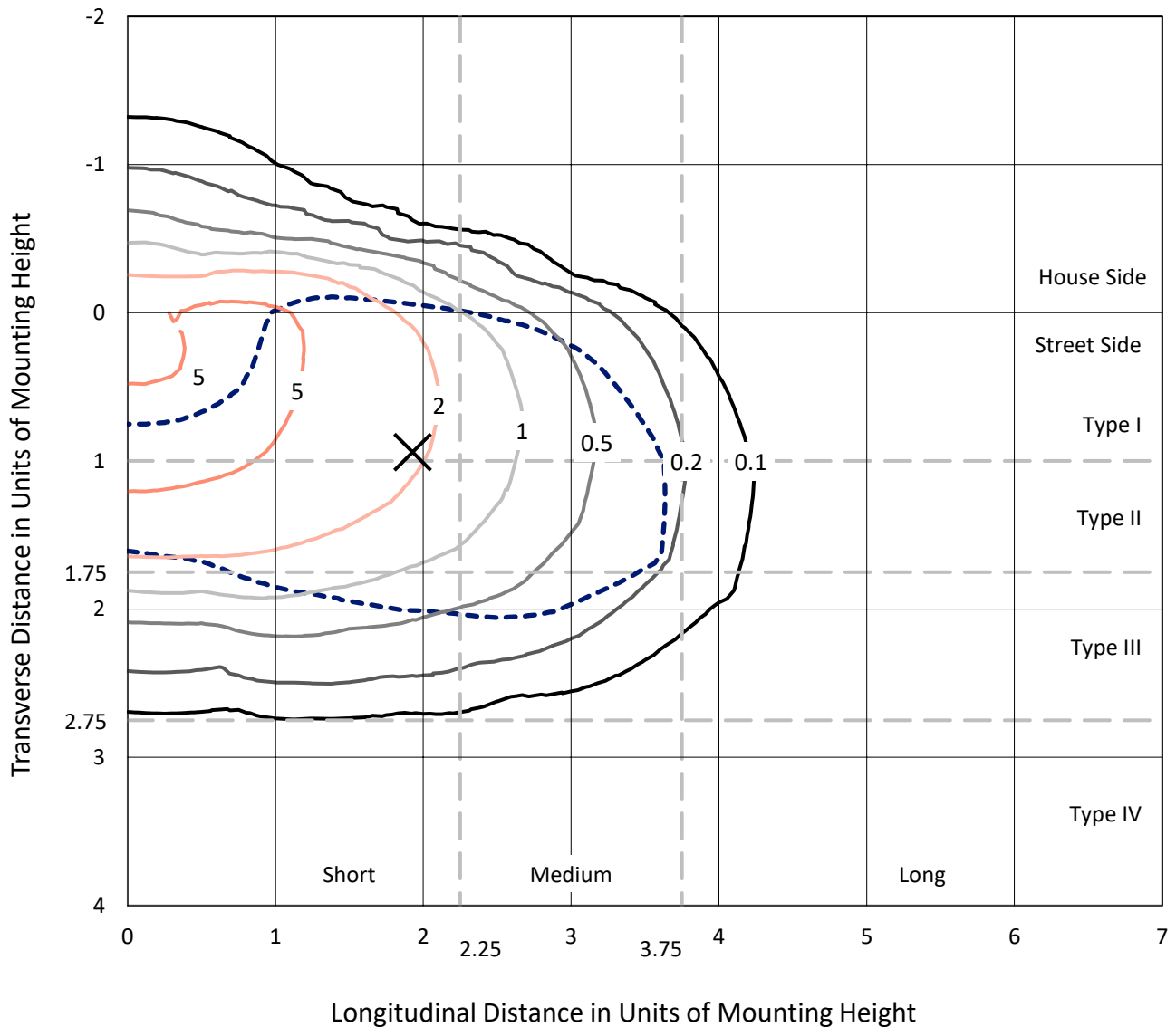
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

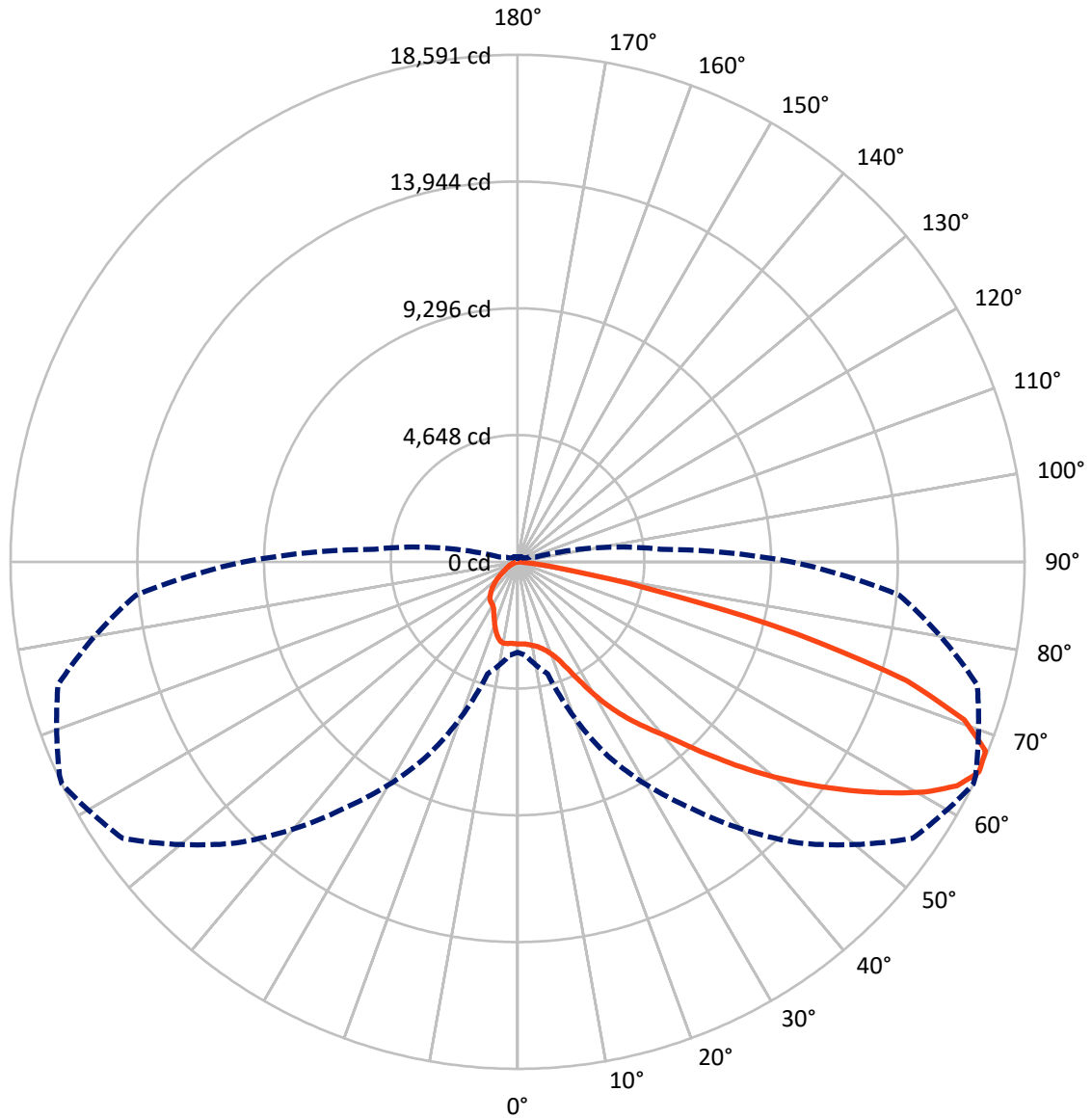
✕ Max cd
 - - - 1/2 Max cd



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 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3464.1	0.0	3464.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22439.8	0.0	22439.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	25904.0	0.0	25904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.0	1.1
10°-20°	753.9	2.9
20°-30°	1428.6	5.5
30°-40°	2890.9	11.2
40°-50°	4924.7	19.0
50°-60°	6697.2	25.9
60°-70°	6289.0	24.3
70°-80°	2519.6	9.7
80°-90°	122.1	0.5
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°	25904.0	100.0
0°-180°	25904.0	100.0

Coefficient of Utilization



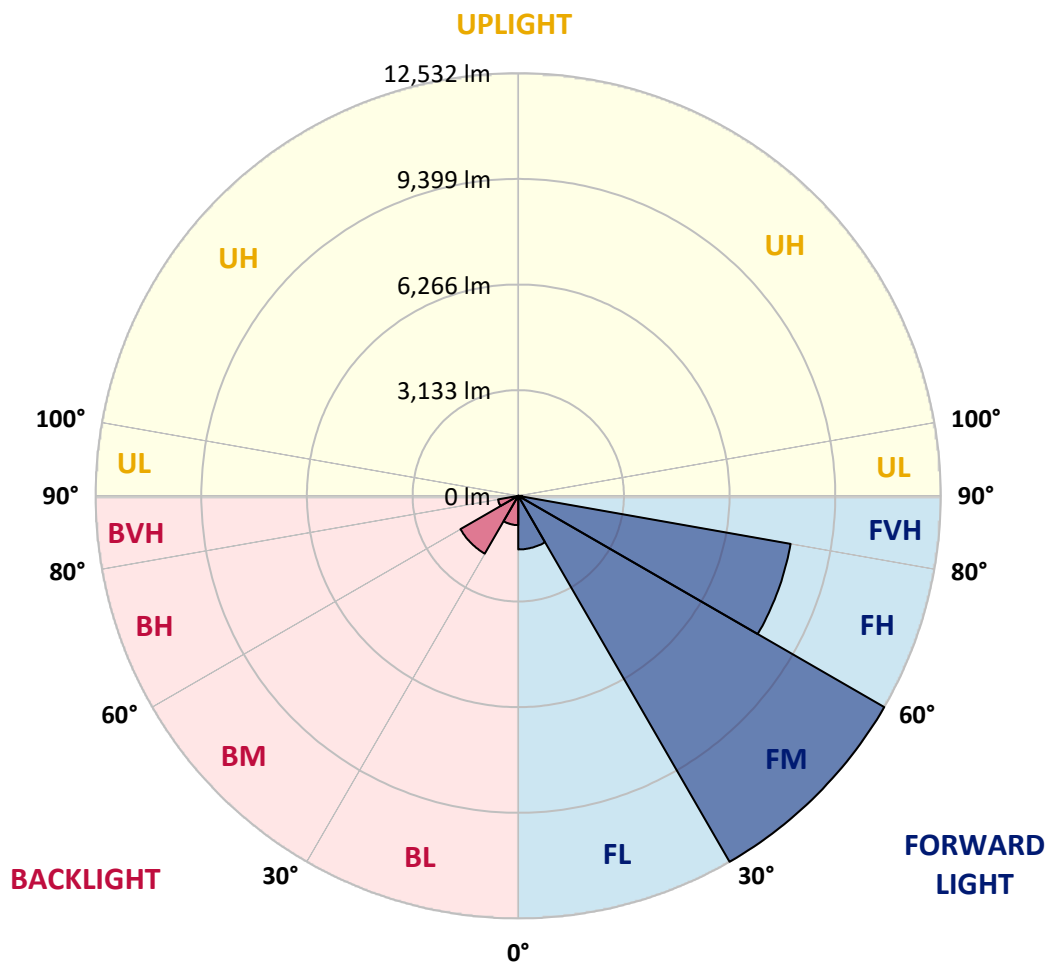
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.8	6.1			
FM (30°-60°)	12532.3	48.4			
FH (60°-80°)	8200.6	31.7			G4/12000
FVH (80°-90°)	116.1	0.4			G2/225
BL (0°-30°)	869.7	3.4	B2/1000		
BM (30°-60°)	1980.4	7.6	B2/2500		
BH (60°-80°)	608.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9
2.5°	3002.5	3023.3	3018.1	3012.9	3011.2	3014.6	3016.4	3014.6	3014.6	3014.6
5°	2945.2	2962.5	2962.5	2974.7	2992.1	3012.9	3028.5	3032.0	3035.5	3040.7
7.5°	2835.8	2849.7	2860.1	2900.0	2943.4	2999.0	3045.9	3070.2	3073.7	3092.8
10°	2761.1	2778.5	2795.8	2837.5	2900.0	2983.4	3063.3	3122.3	3131.0	3176.1
12.5°	2757.6	2775.0	2797.6	2842.7	2915.7	3004.2	3101.5	3186.6	3202.2	3268.2
15°	2794.1	2814.9	2835.8	2891.3	2969.5	3077.2	3181.3	3287.3	3302.9	3396.7
17.5°	2868.8	2896.6	2912.2	2967.8	3051.1	3170.9	3308.1	3429.7	3443.6	3553.0
20°	3016.4	3049.4	3054.6	3099.7	3181.3	3309.9	3473.1	3624.2	3641.5	3766.6
22.5°	3322.0	3368.9	3327.2	3349.8	3422.7	3551.2	3728.4	3919.4	3943.7	4086.1
25°	3860.3	3926.3	3818.7	3780.5	3811.7	3945.4	4167.7	4409.1	4436.9	4551.5
27.5°	4917.9	4832.8	4669.6	4509.8	4416.0	4492.4	4742.5	5041.2	5075.9	5187.1
30°	6079.6	6005.0	5784.4	5430.2	5207.9	5195.7	5426.7	5760.1	5800.1	5906.0
32.5°	7243.1	7171.9	6932.3	6496.4	6110.9	5919.9	6079.6	6449.5	6470.4	6538.1
35°	8387.5	8314.6	8074.9	7628.6	7154.6	6720.4	6689.2	7105.9	7112.9	7184.1
37.5°	9538.8	9478.1	9222.8	8785.2	8318.0	7718.9	7428.9	7727.6	7736.3	7805.8
40°	10360.2	10386.3	10210.9	9872.3	9471.1	8816.4	8259.0	8389.2	8337.1	8453.5
42.5°	11065.3	11117.4	10964.5	10794.4	10561.7	9985.1	9287.0	9264.5	9181.1	9243.6
45°	11674.8	11718.2	11581.0	11541.1	11535.9	11131.2	10410.6	10275.1	10158.8	10146.6
47.5°	11898.8	11982.2	12041.2	12174.9	12435.4	12265.2	11572.3	11362.2	11232.0	11136.5
50°	11983.9	12072.5	12273.9	12662.9	13279.4	13352.3	12728.9	12492.7	12332.9	12159.3
52.5°	11869.3	12027.3	12298.2	12952.9	13847.2	14224.0	13838.5	13631.9	13449.5	13166.5
55°	11193.8	11351.8	11905.7	12949.4	14130.3	14835.3	14887.4	14795.4	14590.4	14144.2
57.5°	9769.8	10004.2	10881.2	12508.3	14125.1	15361.5	15915.4	15981.4	15752.2	15113.1
60°	7797.1	8114.9	9184.6	11530.7	13689.2	15646.3	16816.7	17146.6	16903.5	16068.2
62.5°	5440.6	5808.7	6821.1	9999.0	12692.4	15441.4	17474.8	18084.4	17900.3	16922.6
65°	3318.5	3436.6	4252.8	7868.3	10997.5	14583.5	17678.0	18591.4	18530.7	17445.3
67.5°	2210.6	2309.6	2544.0	5395.4	8536.9	12869.5	17191.8	18502.9	18520.2	17360.2
70°	1331.9	1417.0	1569.8	3137.9	5532.6	10186.6	15686.2	17374.1	17474.8	16222.8
72.5°	548.7	606.1	745.0	1422.2	2865.3	6465.2	12491.0	14916.9	15151.3	13640.6
75°	310.8	340.4	437.6	713.7	1243.4	3012.9	7566.1	10589.4	10935.0	9401.7
77.5°	206.6	220.5	283.1	461.9	699.8	1028.0	3233.4	5517.0	6176.9	5135.0
80°	138.9	151.1	194.5	309.1	455.0	441.1	1029.8	2043.9	2514.5	1764.3
82.5°	93.8	95.5	138.9	203.2	288.3	213.6	303.9	635.6	798.8	510.5
85°	53.8	52.1	102.5	118.1	128.5	88.6	92.0	191.0	250.1	215.3
87.5°	6.9	10.4	39.9	31.3	17.4	19.1	19.1	33.0	48.6	52.1
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°
3012.9	0°	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9	3012.9
3016.4	2.5°	3016.4	3014.6	3009.4	3004.2	2992.1	2985.1	2988.6	2985.1	2983.4	2985.1
3039.0	5°	3039.0	3033.7	3019.9	3002.5	2978.2	2948.7	2929.6	2901.8	2875.7	2860.1
3099.7	7.5°	3099.7	3094.5	3075.4	3026.8	2948.7	2825.4	2712.5	2613.5	2538.8	2495.4
3197.0	10°	3197.0	3188.3	3158.8	3051.1	2846.2	2577.0	2353.0	2167.2	2045.6	1988.3
3311.6	12.5°	3311.6	3301.2	3249.1	3028.5	2651.7	2231.5	1922.4	1715.7	1602.8	1552.5
3443.6	15°	3447.0	3433.1	3330.7	2920.9	2368.6	1849.4	1566.4	1411.8	1338.9	1293.7
3612.0	17.5°	3615.5	3591.2	3391.5	2759.4	2061.3	1557.7	1347.6	1231.2	1167.0	1123.5
3832.6	20°	3834.3	3794.3	3440.1	2566.6	1778.2	1373.6	1200.0	1102.7	1054.1	1015.9
4145.1	22.5°	4139.9	4082.6	3499.1	2358.2	1578.5	1246.8	1090.5	1019.4	979.4	936.0
4581.0	25°	4518.5	4450.8	3572.1	2165.5	1441.3	1137.4	1010.7	951.6	904.7	854.4
5152.3	27.5°	5048.1	4926.6	3658.9	2007.4	1323.2	1043.7	937.7	871.7	817.9	776.2
5800.1	30°	5638.6	5438.9	3735.3	1911.9	1215.6	956.8	842.2	776.2	725.9	696.4
6381.8	32.5°	6197.7	5926.8	3785.7	1870.3	1118.3	857.9	738.0	666.8	628.6	619.9
6951.4	35°	6725.6	6367.9	3780.5	1830.3	1031.5	758.9	635.6	562.6	533.1	538.3
7564.4	37.5°	7333.4	6838.5	3744.0	1767.8	960.3	668.6	547.0	482.8	456.7	458.4
8309.4	40°	8040.2	7382.0	3721.4	1649.7	882.2	585.2	474.1	422.0	402.9	395.9
9094.3	42.5°	8793.9	7908.2	3724.9	1516.0	784.9	510.5	423.7	380.3	362.9	357.7
9967.8	45°	9551.0	8410.1	3730.1	1377.1	682.5	453.2	387.2	350.8	340.4	333.4
10853.4	47.5°	10263.0	8837.3	3632.9	1227.7	581.7	409.8	357.7	333.4	324.7	316.1
11742.5	50°	10926.3	9122.1	3398.4	1054.1	501.9	375.1	335.2	317.8	309.1	300.4
12548.3	52.5°	11442.1	9167.2	3011.2	875.2	446.3	349.0	321.3	305.6	295.2	286.5
13199.5	55°	11671.3	8884.2	2460.7	708.5	402.9	326.5	307.4	291.7	279.6	270.9
13711.8	57.5°	11612.3	8288.5	1918.9	569.6	361.2	303.9	290.0	279.6	265.7	251.8
14126.8	60°	11322.3	7491.5	1446.5	474.1	323.0	279.6	270.9	262.2	243.1	222.3
14286.5	62.5°	10820.4	6489.5	1031.5	392.5	281.3	251.8	248.3	241.4	213.6	175.4
14050.4	65°	10052.9	5272.1	694.6	326.5	241.4	220.5	222.3	210.1	173.7	130.2
13185.6	67.5°	8931.0	3855.1	444.6	267.4	201.4	184.1	185.8	178.9	147.6	111.1
11546.3	70°	7501.9	2552.7	290.0	203.2	161.5	142.4	152.8	154.6	125.0	90.3
8861.6	72.5°	5499.6	1507.3	203.2	151.1	118.1	99.0	125.0	128.5	100.7	67.7
5331.2	75°	3134.5	715.5	152.8	109.4	72.9	69.5	97.2	97.2	69.5	45.2
2307.9	77.5°	1316.3	298.7	107.7	71.2	41.7	39.9	66.0	60.8	34.7	20.8
562.6	80°	380.3	133.7	57.3	34.7	17.4	15.6	26.0	19.1	8.7	3.5
213.6	82.5°	149.3	59.0	22.6	13.9	6.9	6.9	3.5	0.0	0.0	0.0
121.6	85°	88.6	24.3	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0
26.0	87.5°	22.6	5.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3012.9
2992.1
2863.6
2497.2
1983.1
1547.3
1295.5
1120.1
1008.9
929.1
849.2
767.6
691.1
625.2
538.3
465.4
394.2
356.0
333.4
316.1
300.4
284.8
269.2
250.1
218.8
171.9
126.8
105.9
86.8
64.3
41.7
20.8
3.5
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