

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: P850078

Luminaire Tested: **GLAN-SB7B-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850078
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-SB7B-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27035 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

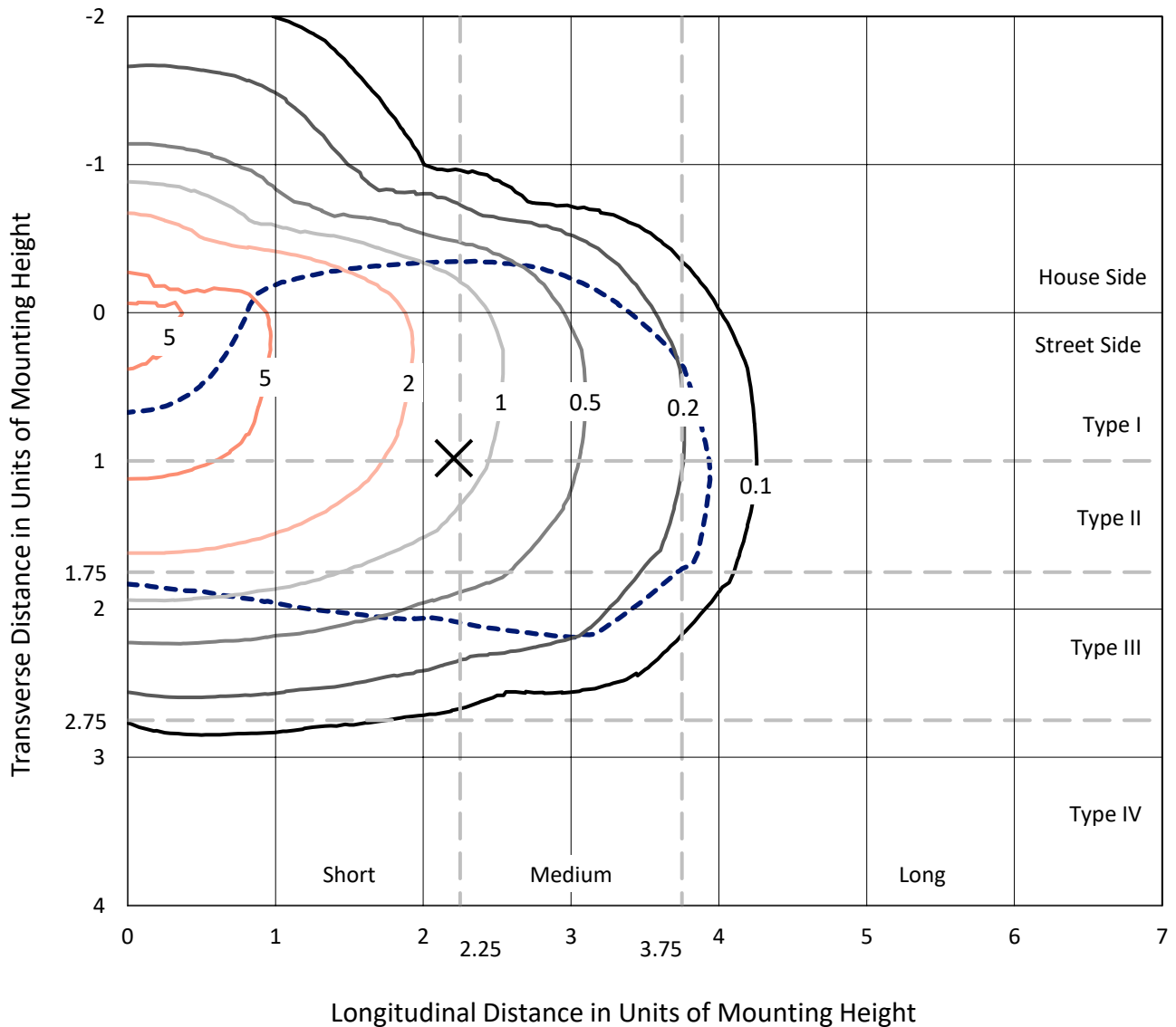
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

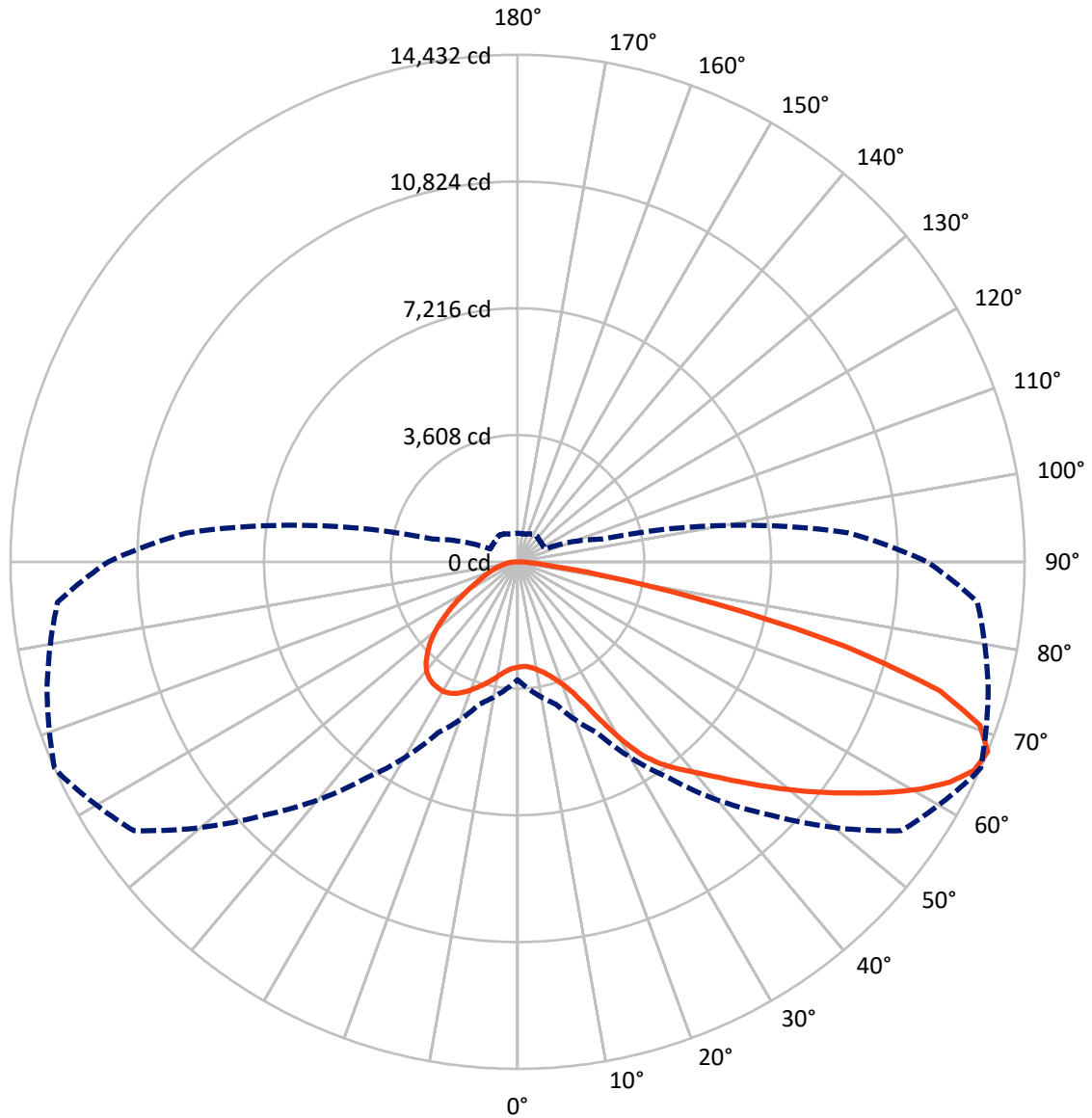
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6722.2	0.0	6722.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20312.8	0.0	20312.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	27035.0	0.0	27035.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	1.1
10°-20°	982.2	3.6
20°-30°	1893.2	7.0
30°-40°	3319.4	12.3
40°-50°	4934.9	18.3
50°-60°	6255.5	23.1
60°-70°	6120.8	22.6
70°-80°	2919.7	10.8
80°-90°	312.0	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°	27035.0	100.0
0°-180°	27035.0	100.0

Coefficient of Utilization



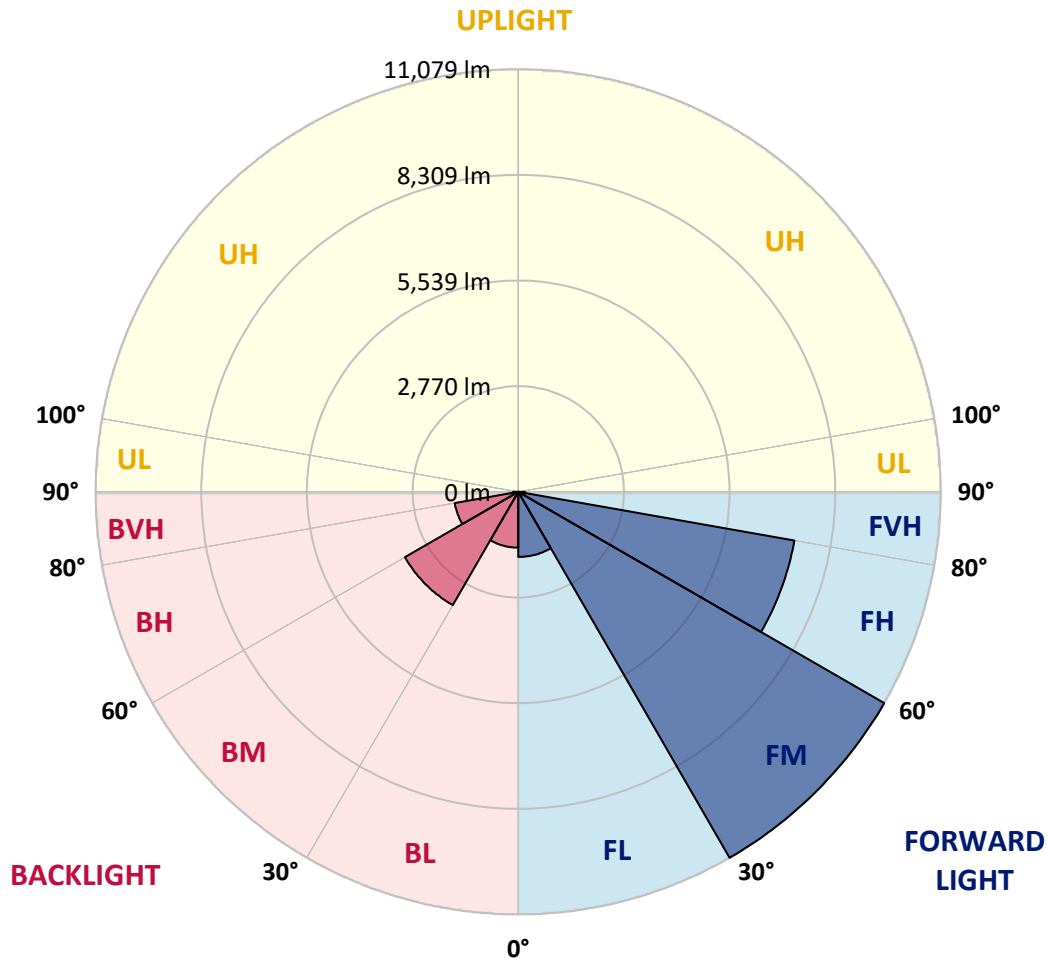
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1708.3	6.3			
FM (30°-60°)	11078.7	41.0			
FH (60°-80°)	7348.9	27.2			G3/7500
FVH (80°-90°)	176.9	0.7			G2/225
BL (0°-30°)	1464.3	5.4	B3/2500		
BM (30°-60°)	3431.1	12.7	B3/5000		
BH (60°-80°)	1691.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	135.1	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°	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5
2.5°	2967.3	2984.3	2980.1	2973.0	2971.6	2974.4	2978.7	2982.9	2981.5	2988.6
5°	2958.8	2975.8	2974.4	2974.4	2980.1	2991.4	2998.5	3005.6	2998.5	3007.1
7.5°	2964.4	2977.2	2982.9	2988.6	3002.8	3024.1	3041.2	3056.8	3048.3	3058.2
10°	3036.9	3046.8	3052.5	3052.5	3062.5	3086.6	3103.7	3132.1	3125.0	3140.6
12.5°	3169.0	3178.9	3178.9	3173.3	3180.4	3196.0	3201.7	3232.9	3220.1	3245.7
15°	3330.9	3350.8	3335.2	3325.2	3328.1	3343.7	3342.3	3366.4	3353.6	3375.0
17.5°	3509.9	3535.5	3509.9	3508.5	3502.8	3519.8	3521.3	3542.6	3519.8	3535.5
20°	3721.5	3757.1	3735.7	3742.8	3730.1	3737.2	3744.3	3775.5	3740.0	3751.4
22.5°	4019.8	4062.4	4039.7	4066.7	4058.2	4052.5	4051.1	4106.5	4051.1	4055.3
25°	4454.5	4505.6	4465.8	4502.8	4502.8	4521.2	4542.6	4613.6	4521.2	4494.3
27.5°	5096.5	5147.7	5069.5	5092.3	5085.2	5130.6	5107.9	5284.0	5184.6	5140.6
30°	5869.2	5960.1	5812.4	5806.7	5799.6	5872.1	5904.7	6021.2	5920.4	5876.3
32.5°	6704.5	6799.6	6623.5	6572.4	6545.4	6589.4	6562.4	6656.2	6586.6	6518.4
35°	7588.0	7681.7	7514.1	7414.7	7306.7	7214.4	7117.8	7141.9	7076.6	6972.9
37.5°	8423.2	8595.1	8417.5	8311.0	8112.1	7931.7	7661.8	7549.6	7488.5	7393.4
40°	9274.0	9372.0	9237.1	9146.2	8930.3	8647.6	8215.8	7978.6	7896.2	7803.9
42.5°	9900.4	9994.2	9921.7	9859.2	9690.2	9362.1	8803.9	8507.0	8387.7	8284.0
45°	10397.6	10467.2	10421.7	10444.5	10372.0	10053.8	9413.2	9073.7	8950.2	8823.7
47.5°	10597.9	10671.7	10744.2	10879.1	11002.7	10768.3	10068.0	9687.4	9556.7	9427.4
50°	10575.1	10650.4	10860.6	11147.6	11531.1	11453.0	10758.4	10340.8	10220.0	10072.3
52.5°	10393.3	10478.6	10748.4	11225.7	11836.5	11965.7	11461.5	11015.5	10901.8	10725.7
55°	9916.1	9967.2	10372.0	11048.1	11908.9	12323.7	12150.4	11734.2	11620.6	11374.8
57.5°	9031.1	9105.0	9694.5	10569.5	11727.1	12566.6	12755.5	12489.9	12380.5	12026.8
60°	7876.3	7994.2	8668.9	9765.5	11264.1	12565.2	13305.2	13232.8	13141.9	12668.9
62.5°	6569.5	6705.9	7355.0	8629.1	10454.4	12208.6	13649.0	13854.9	13808.1	13261.2
65°	5045.4	5139.1	5785.4	7159.0	9194.5	11443.0	13688.7	14279.6	14288.2	13711.5
67.5°	3359.3	3629.2	4190.3	5372.1	7507.0	10191.6	13339.3	14349.2	14431.6	13866.3
70°	1639.2	1994.3	2544.0	3491.4	5372.1	8272.6	12426.0	13778.2	13961.5	13414.6
72.5°	680.4	795.4	1095.2	1723.0	3083.8	5582.3	10590.8	12229.9	12569.4	11886.2
75°	458.8	497.2	626.4	883.5	1404.8	2752.8	7637.7	9119.2	9666.1	8977.2
77.5°	353.7	377.8	456.0	617.9	835.2	1041.2	4088.0	5495.7	5778.3	5349.4
80°	278.4	296.9	340.9	450.3	592.3	556.8	1393.4	2490.0	2653.4	2225.8
82.5°	241.5	248.6	244.3	305.4	393.5	325.3	457.4	919.0	1014.2	735.8
85°	174.7	194.6	203.1	188.9	208.8	164.8	187.5	325.3	357.9	319.6
87.5°	71.0	105.1	129.3	122.2	76.7	46.9	58.2	95.2	109.4	119.3
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°
2998.5	0°	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5	2998.5
3000.0	2.5°	3001.4	3011.3	3018.4	3026.9	3032.6	3041.2	3058.2	3068.1	3069.6	3076.7
3022.7	5°	3028.4	3042.6	3058.2	3080.9	3106.5	3127.8	3160.5	3183.2	3191.7	3198.8
3078.1	7.5°	3086.6	3106.5	3134.9	3174.7	3211.6	3240.0	3279.8	3306.8	3333.8	3343.7
3166.2	10°	3173.3	3201.7	3242.9	3296.8	3336.6	3373.5	3414.7	3437.5	3464.4	3475.8
3271.3	12.5°	3281.2	3311.0	3365.0	3440.3	3477.2	3502.8	3517.0	3511.3	3517.0	3526.9
3397.7	15°	3404.8	3437.5	3498.5	3579.5	3605.1	3582.3	3551.1	3522.7	3518.4	3521.3
3551.1	17.5°	3551.1	3575.2	3646.3	3714.4	3696.0	3602.2	3534.0	3488.6	3465.9	3458.8
3747.1	20°	3755.6	3755.6	3813.9	3856.5	3732.9	3573.8	3467.3	3393.4	3346.5	3326.7
4014.1	22.5°	4004.2	3981.5	4018.4	3988.6	3725.8	3494.3	3346.5	3218.7	3147.7	3119.3
4387.7	25°	4319.5	4292.6	4282.6	4098.0	3674.7	3367.9	3127.8	2973.0	2910.5	2894.8
4926.1	27.5°	4795.4	4727.2	4597.9	4157.6	3580.9	3169.0	2872.1	2728.7	2693.1	2694.6
5617.8	30°	5428.9	5292.5	4975.8	4167.6	3427.5	2887.7	2610.8	2508.5	2491.4	2498.5
6198.8	32.5°	6015.5	5886.3	5362.1	4122.1	3191.7	2612.2	2376.4	2308.2	2282.6	2291.2
6642.0	35°	6475.8	6440.3	5720.1	4058.2	2901.9	2353.7	2166.2	2107.9	2058.2	2046.8
7059.6	37.5°	6910.4	6896.2	5988.6	3968.7	2615.0	2170.4	1997.1	1920.4	1848.0	1808.2
7521.2	40°	7387.7	7373.5	6164.7	3830.9	2360.8	2011.3	1845.1	1744.3	1654.8	1582.4
8043.9	42.5°	7924.6	7840.8	6248.5	3633.5	2144.9	1876.4	1721.6	1585.2	1467.3	1400.5
8634.8	45°	8511.2	8322.3	6247.1	3382.1	1963.0	1752.8	1589.5	1396.3	1286.9	1224.4
9241.4	47.5°	9133.4	8782.6	6170.4	3103.7	1786.9	1616.5	1384.9	1237.2	1164.8	1126.4
9900.4	50°	9775.4	9212.9	6039.7	2784.1	1606.5	1461.6	1257.1	1156.2	1100.8	1065.3
10553.8	52.5°	10379.1	9603.6	5882.0	2421.8	1423.3	1311.1	1200.3	1122.1	1063.9	1024.1
11187.3	55°	10940.2	9940.2	5659.0	2051.1	1274.1	1210.2	1173.3	1107.9	1041.2	994.3
11830.8	57.5°	11438.8	10159.0	5274.1	1703.1	1167.6	1140.6	1144.9	1083.8	1007.1	967.3
12464.3	60°	11853.5	10319.5	4704.5	1380.7	1081.0	1072.4	1100.8	1038.3	948.9	903.4
12999.8	62.5°	12102.1	10316.6	4005.6	1130.7	1007.1	1009.9	1042.6	981.5	890.6	848.0
13279.6	65°	12080.8	10063.8	3238.6	967.3	936.1	938.9	981.5	919.0	842.3	816.8
13139.0	67.5°	11653.3	9447.3	2484.3	860.8	857.9	870.7	920.4	876.4	812.5	809.6
12301.0	70°	10495.6	8167.5	1789.7	775.6	777.0	795.4	860.8	849.4	796.9	802.5
10342.2	72.5°	8416.1	6227.2	1201.7	686.1	687.5	717.3	804.0	828.1	781.2	856.5
7338.0	75°	5605.0	3883.5	772.7	590.9	592.3	630.7	754.3	786.9	738.6	853.7
3818.1	77.5°	2693.1	1745.7	559.7	497.2	497.2	532.7	652.0	704.5	629.3	663.3
1227.3	80°	930.4	656.2	440.3	400.6	392.0	416.2	549.7	610.8	542.6	500.0
400.6	82.5°	366.5	340.9	353.7	311.1	282.7	298.3	427.6	504.3	399.1	360.8
225.8	85°	210.2	221.6	250.0	206.0	163.4	183.2	313.9	362.2	301.1	265.6
73.9	87.5°	56.8	78.1	115.1	106.5	73.9	78.1	149.1	200.3	173.3	133.5
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°
2998.5
3075.2
3197.4
3345.1
3481.5
3529.8
3531.2
3468.7
3322.4
3115.0
2897.7
2698.8
2522.7
2302.5
2055.4
1809.6
1589.5
1404.8
1221.6
1117.9
1052.5
1007.1
975.8
941.7
883.5
835.2
815.3
813.9
801.1
867.9
860.8
607.9
468.7
359.4
271.3
137.8
0.0

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