

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: P851268

Luminaire Tested: **GLAN-SB9A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851268
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-SB9A-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27583 lumens
Efficiency: N/A
Efficacy: 108.0 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

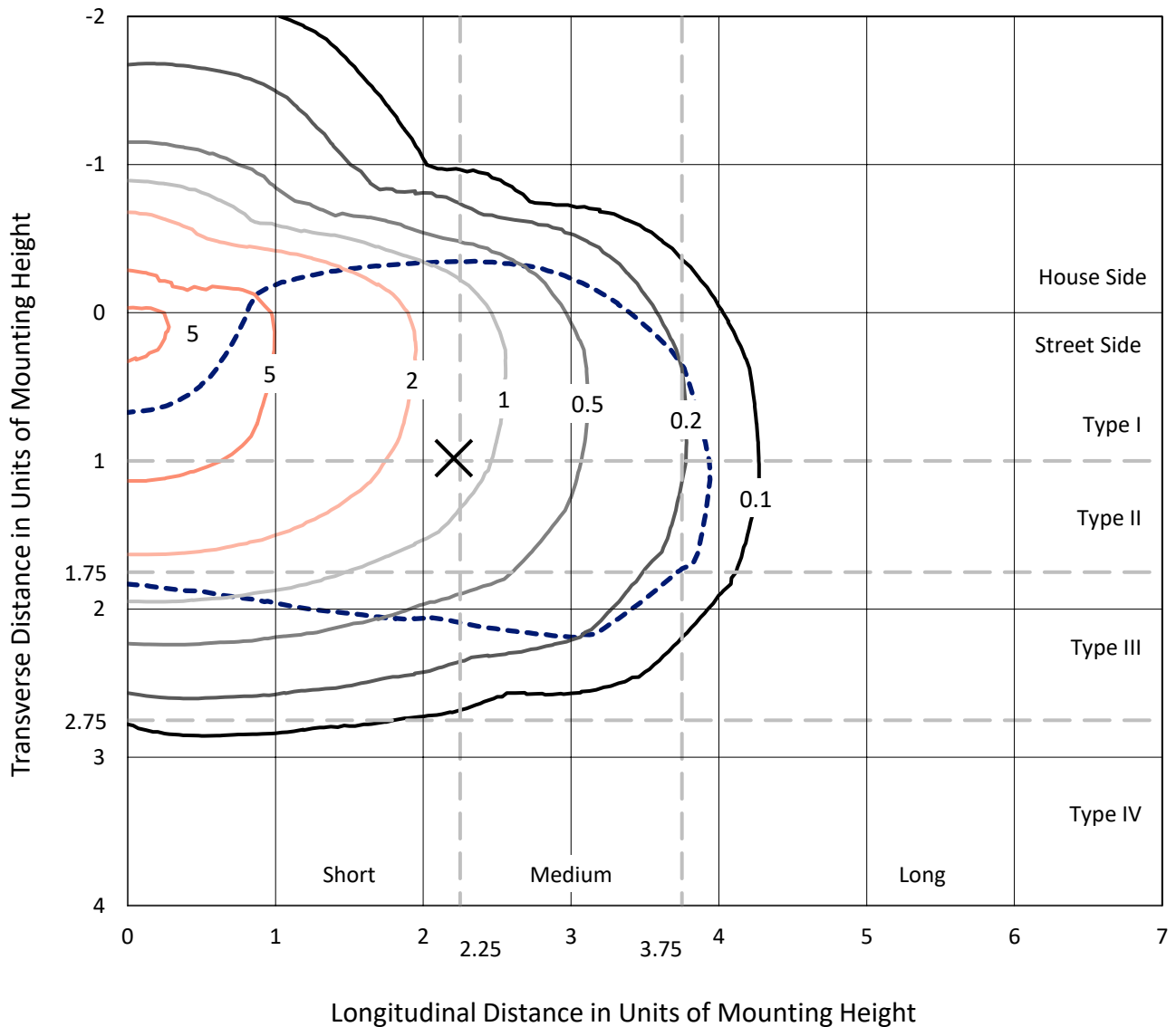
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

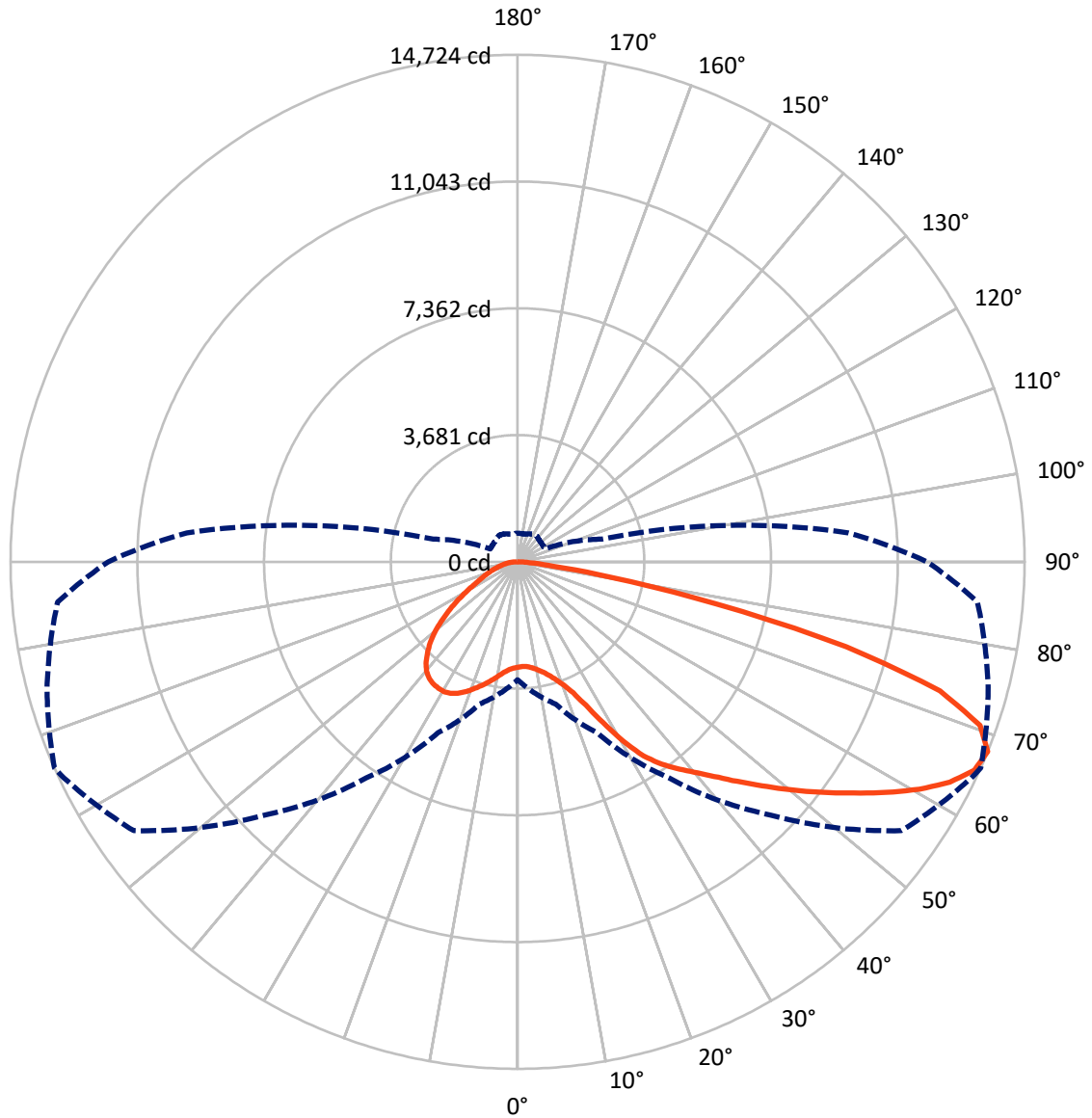
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	6858.4	0.0	6858.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20724.6	0.0	20724.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	27583.0	0.0	27583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.3	1.1
10°-20°	1002.1	3.6
20°-30°	1931.5	7.0
30°-40°	3386.7	12.3
40°-50°	5034.9	18.3
50°-60°	6382.3	23.1
60°-70°	6244.9	22.6
70°-80°	2978.9	10.8
80°-90°	318.4	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°	27583.0	100.0
0°-180°	27583.0	100.0

Coefficient of Utilization



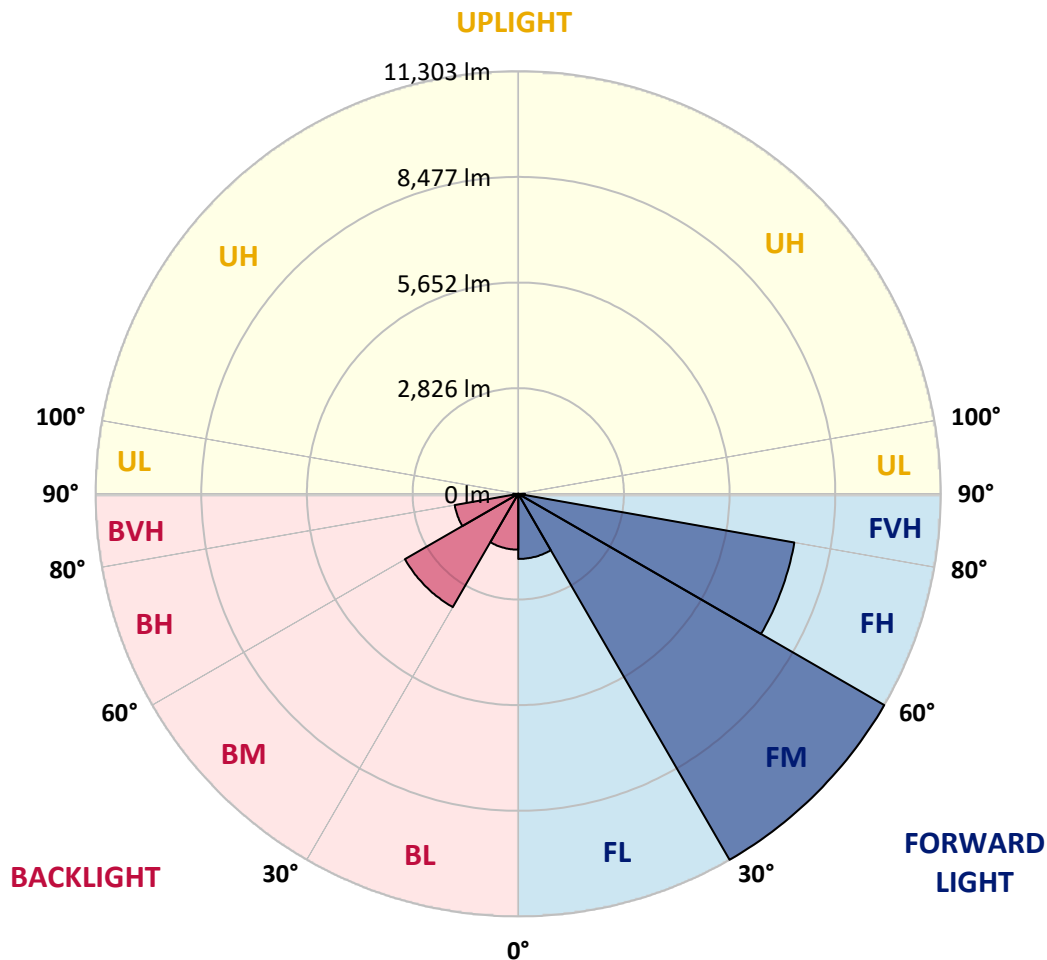
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1743.0	6.3			
FM (30°-60°)	11303.3	41.0			
FH (60°-80°)	7497.8	27.2			G3/7500
FVH (80°-90°)	180.5	0.7			G2/225
BL (0°-30°)	1494.0	5.4	B3/2500		
BM (30°-60°)	3500.6	12.7	B3/5000		
BH (60°-80°)	1725.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	137.9	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°	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3
2.5°	3027.4	3044.8	3040.5	3033.2	3031.8	3034.7	3039.0	3043.4	3041.9	3049.2
5°	3018.7	3036.1	3034.7	3034.7	3040.5	3052.1	3059.3	3066.6	3059.3	3068.0
7.5°	3024.5	3037.6	3043.4	3049.2	3063.7	3085.4	3102.8	3118.7	3110.0	3120.2
10°	3098.4	3108.6	3114.4	3114.4	3124.5	3149.2	3166.6	3195.5	3188.3	3204.2
12.5°	3233.2	3243.4	3243.4	3237.6	3244.8	3260.8	3266.6	3298.4	3285.4	3311.5
15°	3398.4	3418.7	3402.8	3392.6	3395.5	3411.5	3410.0	3434.7	3421.6	3443.4
17.5°	3581.0	3607.1	3581.0	3579.6	3573.8	3591.2	3592.6	3614.4	3591.2	3607.1
20°	3797.0	3833.2	3811.5	3818.7	3805.7	3812.9	3820.2	3852.0	3815.8	3827.4
22.5°	4101.3	4144.8	4121.6	4149.1	4140.4	4134.6	4133.2	4189.7	4133.2	4137.5
25°	4544.8	4596.9	4556.4	4594.1	4594.1	4612.9	4634.6	4707.1	4612.9	4585.4
27.5°	5199.8	5252.0	5172.3	5195.5	5188.2	5234.6	5211.4	5391.1	5289.7	5244.8
30°	5988.2	6081.0	5930.2	5924.4	5917.2	5991.1	6024.4	6143.3	6040.4	5995.5
32.5°	6840.4	6937.5	6757.7	6705.6	6678.0	6723.0	6695.4	6791.1	6720.1	6650.5
35°	7741.8	7837.4	7666.4	7565.0	7454.8	7360.6	7262.1	7286.7	7220.1	7114.3
37.5°	8593.9	8769.3	8588.1	8479.4	8276.5	8092.5	7817.1	7702.6	7640.3	7543.2
40°	9462.0	9562.0	9424.3	9331.6	9111.3	8822.9	8382.3	8140.3	8056.3	7962.1
42.5°	10101.1	10196.8	10122.9	10059.1	9886.6	9551.9	8982.3	8679.4	8557.7	8451.9
45°	10608.3	10679.4	10633.0	10656.2	10582.3	10257.6	9604.0	9257.7	9131.6	9002.6
47.5°	10812.7	10888.0	10962.0	11099.6	11225.7	10986.6	10272.1	9883.7	9750.4	9618.5
50°	10789.5	10866.3	11080.8	11373.5	11764.8	11685.1	10976.4	10550.4	10427.2	10276.5
52.5°	10604.0	10691.0	10966.3	11453.2	12076.4	12208.3	11693.8	11238.8	11122.8	10943.1
55°	10117.1	10169.2	10582.3	11272.1	12150.3	12573.5	12396.7	11972.1	11856.1	11605.4
57.5°	9214.2	9289.5	9891.0	10783.7	11964.8	12821.3	13014.1	12743.1	12631.5	12270.6
60°	8036.0	8156.3	8844.6	9963.4	11492.4	12819.9	13574.9	13501.0	13408.3	12925.7
62.5°	6702.7	6841.8	7504.1	8804.1	10666.3	12456.1	13925.6	14135.8	14087.9	13530.0
65°	5147.7	5243.3	5902.7	7304.1	9380.8	11675.0	13966.2	14569.1	14577.8	13989.4
67.5°	3427.4	3702.8	4275.2	5481.0	7659.2	10398.2	13609.7	14640.1	14724.2	14147.4
70°	1672.4	2034.7	2595.6	3562.2	5481.0	8440.3	12677.8	14057.5	14244.5	13686.5
72.5°	694.2	811.6	1117.4	1757.9	3146.3	5695.5	10805.4	12477.8	12824.2	12127.1
75°	468.1	507.2	639.1	901.4	1433.3	2808.6	7792.5	9304.0	9862.0	9159.1
77.5°	360.9	385.5	465.2	630.4	852.1	1062.3	4170.9	5607.1	5895.5	5457.8
80°	284.0	302.9	347.8	459.4	604.3	568.1	1421.7	2540.5	2707.2	2270.9
82.5°	246.4	253.6	249.3	311.6	401.4	331.9	466.7	937.7	1034.7	750.7
85°	178.3	198.5	207.2	192.7	213.0	168.1	191.3	331.9	365.2	326.1
87.5°	72.5	107.2	131.9	124.6	78.3	47.8	59.4	97.1	111.6	121.7
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°
3059.3	0°	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3	3059.3
3060.8	2.5°	3062.2	3072.4	3079.6	3088.3	3094.1	3102.8	3120.2	3130.3	3131.8	3139.0
3084.0	5°	3089.8	3104.2	3120.2	3143.4	3169.5	3191.2	3224.5	3247.7	3256.4	3263.7
3140.5	7.5°	3149.2	3169.5	3198.4	3239.0	3276.7	3305.7	3346.3	3373.8	3401.3	3411.5
3230.3	10°	3237.6	3266.6	3308.6	3363.7	3404.2	3441.9	3483.9	3507.1	3534.7	3546.3
3337.6	12.5°	3347.7	3378.1	3433.2	3510.0	3547.7	3573.8	3588.3	3582.5	3588.3	3598.4
3466.6	15°	3473.8	3507.1	3569.4	3652.1	3678.1	3655.0	3623.1	3594.1	3589.7	3592.6
3623.1	17.5°	3623.1	3647.7	3720.2	3789.7	3770.9	3675.2	3605.7	3559.3	3536.1	3528.9
3823.1	20°	3831.8	3831.8	3891.2	3934.7	3808.6	3646.3	3537.6	3462.2	3414.4	3394.1
4095.5	22.5°	4085.4	4062.2	4099.9	4069.4	3801.3	3565.1	3414.4	3283.9	3211.5	3182.5
4476.7	25°	4407.1	4379.6	4369.4	4181.0	3749.2	3436.1	3191.2	3033.2	2969.5	2953.5
5025.9	27.5°	4892.6	4823.0	4691.1	4241.9	3653.5	3233.2	2930.3	2784.0	2747.7	2749.2
5731.7	30°	5538.9	5399.8	5076.6	4252.0	3497.0	2946.3	2663.7	2559.3	2541.9	2549.2
6324.4	32.5°	6137.5	6005.6	5470.8	4205.7	3256.4	2665.1	2424.6	2355.0	2328.9	2337.6
6776.6	35°	6607.0	6570.8	5836.0	4140.4	2960.8	2401.4	2210.1	2150.7	2099.9	2088.3
7202.7	37.5°	7050.5	7036.0	6109.9	4049.1	2668.0	2214.4	2037.6	1959.4	1885.4	1844.9
7673.7	40°	7537.4	7522.9	6289.6	3908.6	2408.6	2052.1	1882.5	1779.7	1688.4	1614.4
8207.0	42.5°	8085.2	7999.7	6375.2	3707.1	2188.3	1914.4	1756.5	1617.3	1497.1	1428.9
8809.9	45°	8683.8	8491.0	6373.7	3450.6	2002.8	1788.3	1621.7	1424.6	1313.0	1249.2
9428.7	47.5°	9318.5	8960.6	6295.4	3166.6	1823.1	1649.2	1413.0	1262.3	1188.4	1149.2
10101.1	50°	9973.6	9399.7	6162.1	2840.5	1639.1	1491.3	1282.6	1179.7	1123.2	1086.9
10767.8	52.5°	10589.5	9798.2	6001.3	2470.9	1452.1	1337.6	1224.6	1144.9	1085.5	1044.9
11414.1	55°	11162.0	10141.7	5773.7	2092.7	1300.0	1234.7	1197.1	1130.4	1062.3	1014.5
12070.6	57.5°	11670.6	10364.9	5381.0	1737.6	1191.3	1163.7	1168.1	1105.8	1027.5	986.9
12717.0	60°	12093.8	10528.6	4799.8	1408.6	1102.9	1094.2	1123.2	1059.4	968.1	921.7
13263.3	62.5°	12347.4	10525.7	4086.8	1153.6	1027.5	1030.4	1063.7	1001.4	908.7	865.2
13548.8	65°	12325.7	10267.8	3304.2	986.9	955.0	957.9	1001.4	937.7	859.4	833.3
13405.4	67.5°	11889.5	9638.8	2534.7	878.2	875.3	888.4	939.1	894.2	829.0	826.1
12550.3	70°	10708.3	8333.1	1826.0	791.3	792.7	811.6	878.2	866.6	813.0	818.8
10551.8	72.5°	8586.7	6353.4	1226.0	700.0	701.4	731.9	820.3	844.9	797.1	873.9
7486.7	75°	5718.7	3962.2	788.4	602.9	604.3	643.5	769.5	802.9	753.6	871.0
3895.5	77.5°	2747.7	1781.1	571.0	507.2	507.2	543.5	665.2	718.8	642.0	676.8
1252.1	80°	949.2	669.5	449.3	408.7	400.0	424.6	560.9	623.2	553.6	510.1
408.7	82.5°	373.9	347.8	360.9	317.4	288.4	304.3	436.2	514.5	407.2	368.1
230.4	85°	214.5	226.1	255.1	210.1	166.7	187.0	320.3	369.6	307.2	271.0
75.4	87.5°	58.0	79.7	117.4	108.7	75.4	79.7	152.2	204.3	176.8	136.2
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°
3059.3
3137.6
3262.2
3412.9
3552.1
3601.3
3602.8
3539.0
3389.7
3178.2
2956.4
2753.5
2573.8
2349.2
2097.0
1846.3
1621.7
1433.3
1246.3
1140.5
1073.9
1027.5
995.6
960.8
901.4
852.1
831.9
830.4
817.4
885.5
878.2
620.3
478.2
366.7
276.8
140.6
0.0

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