

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: P851253

Luminaire Tested: **GLAN-SB9A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26082 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

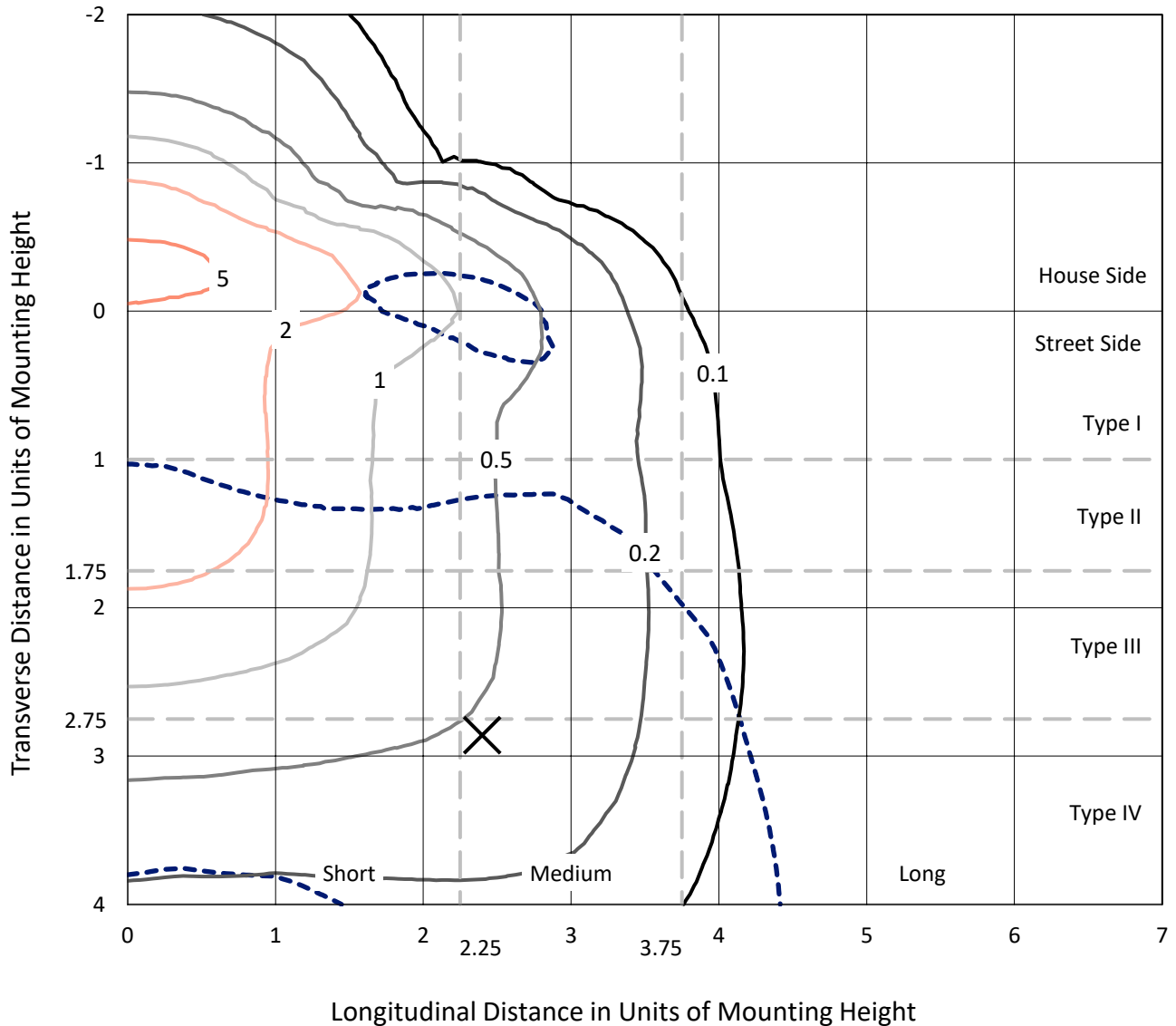
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

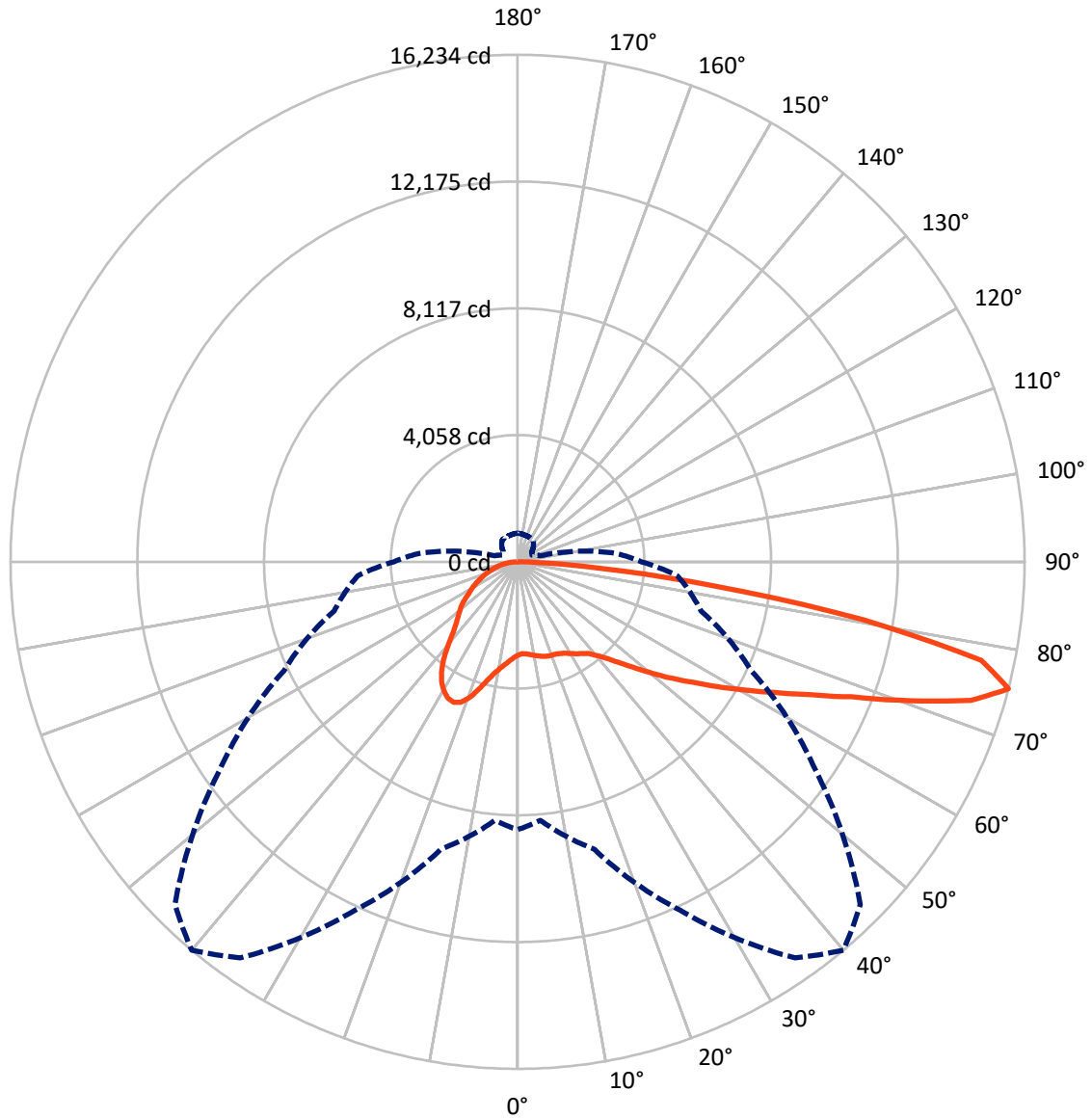
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8081.1	0.0	8081.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18000.9	0.0	18000.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	26082.0	0.0	26082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	1.1
10°-20°	999.6	3.8
20°-30°	1825.1	7.0
30°-40°	2588.5	9.9
40°-50°	3495.3	13.4
50°-60°	4702.1	18.0
60°-70°	5968.0	22.9
70°-80°	5416.3	20.8
80°-90°	789.5	3.0
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°	26082.0	100.0
0°-180°	26082.0	100.0

Coefficient of Utilization

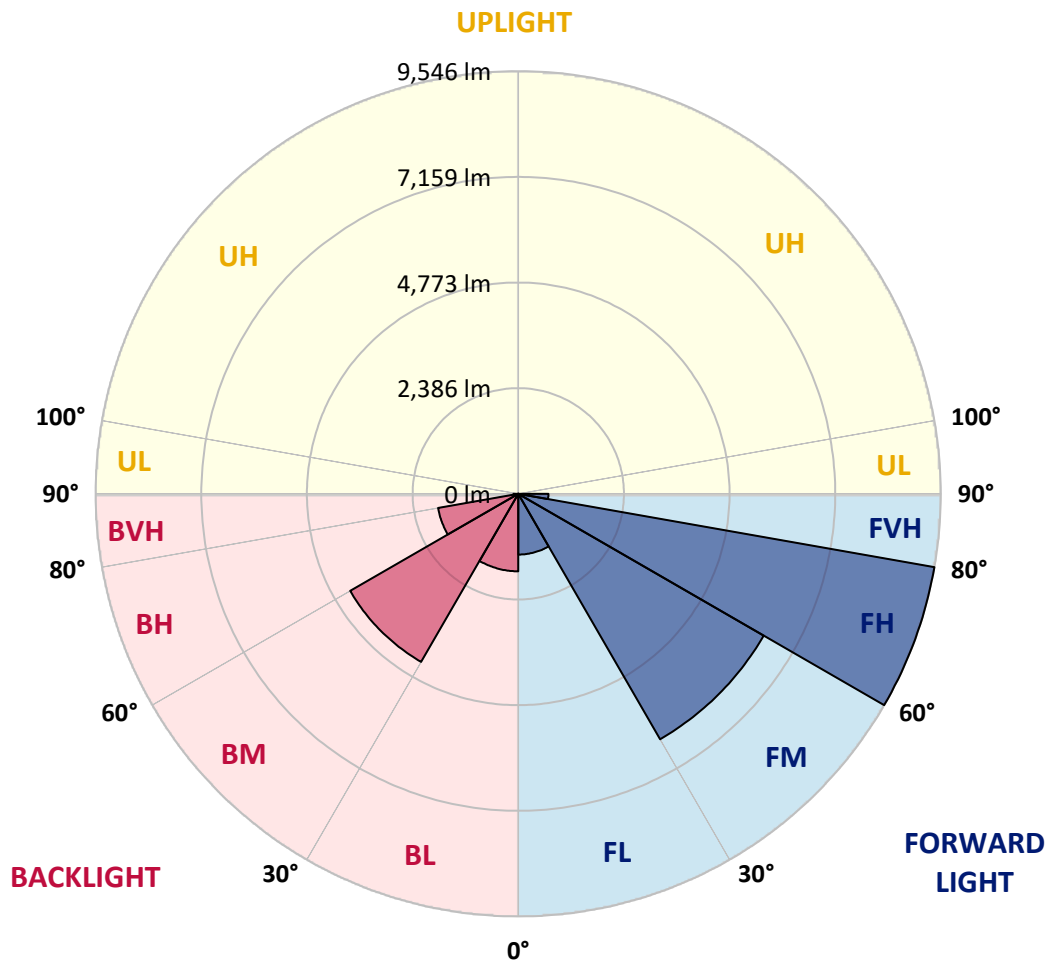


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.9	5.3			
FM (30°-60°)	6402.5	24.5			
FH (60°-80°)	9545.6	36.6			G4/12000
FVH (80°-90°)	680.8	2.6			G4/750
BL (0°-30°)	1750.4	6.7	B3/2500		
BM (30°-60°)	4383.3	16.8	B3/5000		
BH (60°-80°)	1838.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	108.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5
2.5°	2936.9	2953.5	2949.3	2943.8	2943.8	2945.2	2943.8	2953.5	2963.1	2972.8
5°	2967.3	2983.9	2975.6	2968.7	2963.1	2961.8	2957.6	2956.2	2961.8	2974.2
7.5°	3026.8	3043.4	3030.9	3018.5	3007.4	3001.9	2996.3	2988.0	2983.9	2990.8
10°	3093.2	3109.8	3094.6	3072.4	3054.4	3047.5	3042.0	3033.7	3028.2	3032.3
12.5°	3159.6	3176.2	3155.4	3125.0	3101.5	3097.3	3090.4	3087.6	3086.3	3084.9
15°	3221.8	3235.7	3209.4	3173.4	3148.5	3141.6	3134.7	3138.8	3145.7	3154.0
17.5°	3270.2	3284.1	3245.3	3198.3	3174.8	3172.0	3167.9	3181.7	3201.1	3221.8
20°	3314.5	3328.3	3278.5	3214.9	3187.2	3187.2	3188.6	3217.7	3245.3	3275.8
22.5°	3376.8	3387.8	3327.0	3239.8	3199.7	3202.5	3213.5	3242.6	3277.2	3318.7
25°	3469.5	3477.8	3403.1	3286.8	3241.2	3249.5	3259.2	3273.0	3306.2	3354.6
27.5°	3618.9	3625.8	3527.6	3369.9	3300.7	3314.5	3328.3	3318.7	3333.9	3375.4
30°	3829.1	3833.3	3708.8	3499.9	3401.7	3408.6	3411.4	3371.2	3342.2	3375.4
32.5°	4078.1	4076.7	3928.7	3657.6	3516.5	3509.6	3486.1	3407.2	3339.4	3368.5
35°	4464.1	4448.9	4258.0	3878.9	3646.5	3603.6	3548.3	3447.3	3353.3	3361.6
37.5°	5103.2	5056.2	4791.9	4241.4	3840.2	3730.9	3649.3	3512.3	3383.7	3358.8
40°	5823.9	5764.4	5473.9	4738.0	4130.7	3955.0	3823.6	3605.0	3433.5	3371.2
42.5°	6678.8	6594.4	6281.8	5323.1	4498.7	4244.1	4046.3	3722.6	3506.8	3411.4
45°	7728.8	7616.7	7174.1	5983.0	4962.1	4623.2	4358.9	3901.1	3618.9	3488.8
47.5°	8789.8	8817.5	8188.1	6738.3	5518.2	5090.7	4750.4	4169.4	3782.1	3613.3
50°	9917.3	9936.6	9196.5	7575.2	6149.0	5619.2	5190.3	4469.6	4009.0	3790.4
52.5°	10797.1	10799.8	10112.3	8450.9	6806.1	6200.2	5664.8	4812.7	4271.8	4025.6
55°	11347.7	11340.7	10754.2	9279.5	7561.4	6810.3	6190.5	5202.8	4592.7	4302.2
57.5°	11747.4	11726.7	11196.9	9992.0	8366.5	7531.0	6785.4	5645.5	4971.8	4631.5
60°	11899.6	11887.2	11497.1	10607.6	9213.1	8327.8	7471.5	6140.7	5402.0	5020.2
62.5°	11957.7	11981.2	11791.7	11203.8	10119.2	9210.4	8225.4	6732.8	5886.2	5460.1
65°	12162.4	12205.3	12166.6	11984.0	11142.9	10243.7	9225.6	7436.9	6414.6	5931.8
67.5°	12567.8	12610.7	12627.3	12917.8	12393.5	11531.6	10473.4	8314.0	7033.0	6421.5
70°	12558.1	12545.6	12838.9	13660.6	13959.4	13314.8	12155.5	9393.0	7770.3	6828.2
72.5°	11430.7	11331.1	12024.1	13652.3	15262.5	15176.8	14209.8	10784.6	8406.6	6878.0
75°	8575.4	8309.8	9534.1	12303.6	15479.7	16233.7	15515.7	11647.8	8255.9	6077.1
77.5°	3667.3	3400.3	4843.1	9108.0	13854.3	15175.4	14317.7	10162.1	6590.3	4018.6
80°	960.0	958.7	1463.6	4129.3	9422.0	11206.6	9831.5	6562.6	3765.5	1435.9
82.5°	397.0	387.3	538.1	1606.1	4603.8	6288.7	5132.2	2927.2	1359.8	388.7
85°	148.0	146.6	261.5	554.7	1624.1	2593.8	1877.2	748.4	338.9	189.5
87.5°	41.5	40.1	56.7	192.3	395.6	600.4	320.9	123.1	95.5	74.7
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°
2982.5	0°	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5	2982.5
2988.0	2.5°	2992.2	2999.1	3011.6	3021.2	3033.7	3047.5	3066.9	3079.3	3091.8	3100.1
2995.0	5°	3004.6	3019.9	3051.7	3083.5	3120.8	3155.4	3195.5	3224.6	3248.1	3255.0
3019.9	7.5°	3032.3	3057.2	3111.2	3165.1	3224.6	3281.3	3339.4	3389.2	3429.3	3444.6
3064.1	10°	3080.7	3113.9	3190.0	3266.1	3345.0	3432.1	3506.8	3578.7	3635.5	3659.0
3116.7	12.5°	3141.6	3183.1	3282.7	3387.8	3497.1	3617.5	3714.3	3802.8	3873.4	3905.2
3190.0	15°	3220.4	3274.4	3401.7	3542.8	3703.2	3870.6	3993.7	4092.0	4170.8	4209.5
3266.1	17.5°	3306.2	3378.2	3538.6	3751.7	3981.3	4201.2	4345.1	4417.0	4498.7	4536.0
3336.7	20°	3389.2	3477.8	3707.4	4017.3	4323.0	4556.8	4673.0	4692.3	4697.9	4702.0
3403.1	22.5°	3475.0	3594.0	3919.0	4352.0	4679.9	4841.7	4858.3	4775.3	4659.1	4605.2
3468.1	25°	3569.1	3726.8	4195.7	4721.4	4987.0	5006.4	4879.1	4677.1	4457.2	4356.2
3520.6	27.5°	3660.4	3880.3	4527.7	5074.1	5208.3	5038.2	4764.3	4477.9	4212.3	4105.8
3558.0	30°	3751.7	4056.0	4894.3	5382.6	5309.3	4959.3	4583.1	4263.5	3996.5	3884.5
3591.2	32.5°	3844.3	4260.7	5316.2	5605.4	5291.3	4791.9	4357.6	4022.8	3787.6	3670.0
3620.2	35°	3949.5	4512.5	5716.0	5727.1	5171.0	4545.7	4060.1	3735.1	3530.3	3436.3
3654.8	37.5°	4086.4	4832.1	6068.8	5757.5	4960.7	4184.6	3690.8	3394.8	3226.0	3183.1
3706.0	40°	4256.6	5216.6	6338.5	5709.1	4649.5	3746.1	3286.8	3050.3	2954.8	2964.5
3775.2	42.5°	4477.9	5646.9	6528.0	5584.6	4216.5	3293.8	2932.7	2827.6	2873.2	2912.0
3878.9	45°	4765.7	6093.7	6645.6	5372.9	3726.8	2910.6	2723.8	2748.7	2783.3	2787.5
4046.3	47.5°	5133.6	6546.0	6723.1	5053.4	3227.4	2640.8	2591.0	2596.6	2589.6	2560.6
4296.7	50°	5592.9	6985.9	6792.3	4630.1	2802.7	2472.1	2405.7	2386.3	2290.8	2196.8
4630.1	52.5°	6115.8	7389.9	6821.3	4104.4	2472.1	2331.0	2223.1	2101.3	1922.9	1893.8
5049.2	55°	6696.8	7763.4	6746.6	3458.4	2194.0	2149.7	1986.5	1839.9	1820.5	1795.6
5601.2	57.5°	7391.3	8165.9	6594.4	2737.7	1909.0	1938.1	1779.0	1795.6	1761.0	1722.3
6310.9	60°	8150.7	8582.3	6327.5	2080.6	1614.4	1673.9	1725.0	1723.7	1714.0	1682.2
7059.3	62.5°	8834.1	8856.2	5801.8	1593.6	1355.7	1469.1	1608.8	1607.5	1599.2	1581.2
7840.9	65°	9240.8	8814.7	4924.7	1254.7	1142.7	1300.4	1451.1	1462.2	1463.6	1462.2
8428.8	67.5°	9168.9	8329.2	3721.2	998.8	967.0	1128.8	1294.8	1310.0	1321.1	1323.9
8503.5	70°	8355.5	7262.6	2426.4	796.8	810.6	978.0	1146.8	1162.0	1171.7	1182.8
7378.8	72.5°	6512.8	5339.7	1388.9	644.6	673.7	848.0	1000.2	1018.1	1023.7	1044.4
5135.0	75°	3968.8	3140.2	749.8	507.7	553.3	724.9	854.9	875.7	885.3	910.2
2521.9	77.5°	1886.9	1359.8	427.5	395.6	445.4	592.1	722.1	745.6	719.3	733.2
695.8	80°	637.7	504.9	269.8	301.6	340.3	462.0	578.2	601.8	546.4	543.7
231.0	82.5°	222.7	204.7	171.5	200.6	220.0	330.6	437.1	467.6	406.7	405.3
103.8	85°	87.2	83.0	95.5	109.3	131.4	203.4	287.7	303.0	250.4	202.0
30.4	87.5°	18.0	19.4	23.5	24.9	40.1	70.6	103.8	127.3	101.0	85.8
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°
2982.5
3094.6
3257.8
3445.9
3660.4
3905.2
4206.8
4534.6
4713.1
4620.4
4371.4
4118.2
3896.9
3685.3
3457.0
3213.5
2997.7
2947.9
2815.1
2582.7
2209.2
1903.5
1799.7
1715.4
1671.1
1574.3
1462.2
1326.6
1188.3
1052.7
913.0
722.1
538.1
386.0
199.2
78.9
0.0

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