

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: P849108

Luminaire Tested: **GLAN-SB6A-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849108
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-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24207 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

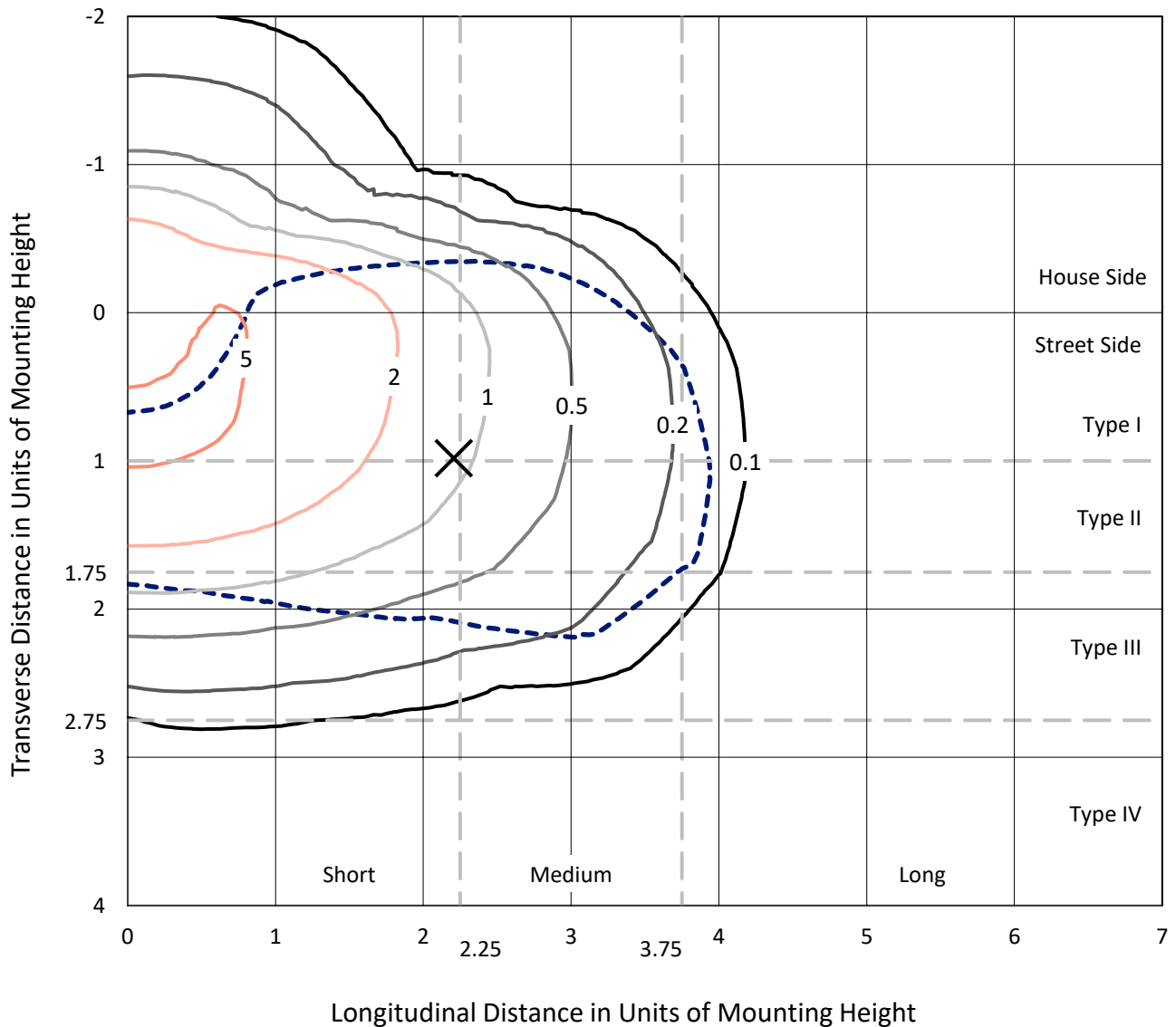
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

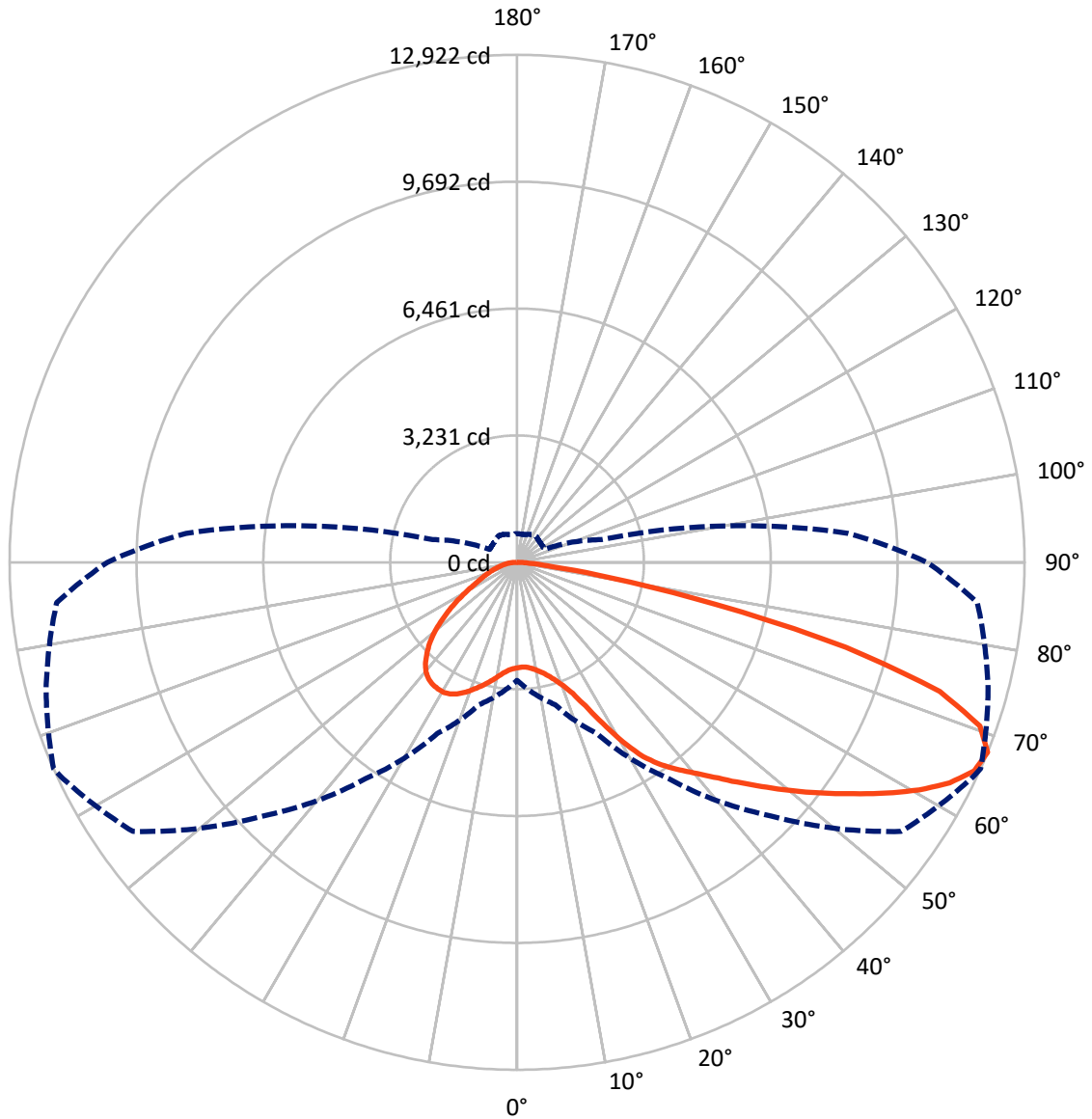
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	6019.0	0.0	6019.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18188.0	0.0	18188.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	24207.0	0.0	24207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.2	1.1
10°-20°	879.5	3.6
20°-30°	1695.1	7.0
30°-40°	2972.2	12.3
40°-50°	4418.7	18.3
50°-60°	5601.1	23.1
60°-70°	5480.5	22.6
70°-80°	2614.3	10.8
80°-90°	279.4	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°	24207.0	100.0
0°-180°	24207.0	100.0

Coefficient of Utilization



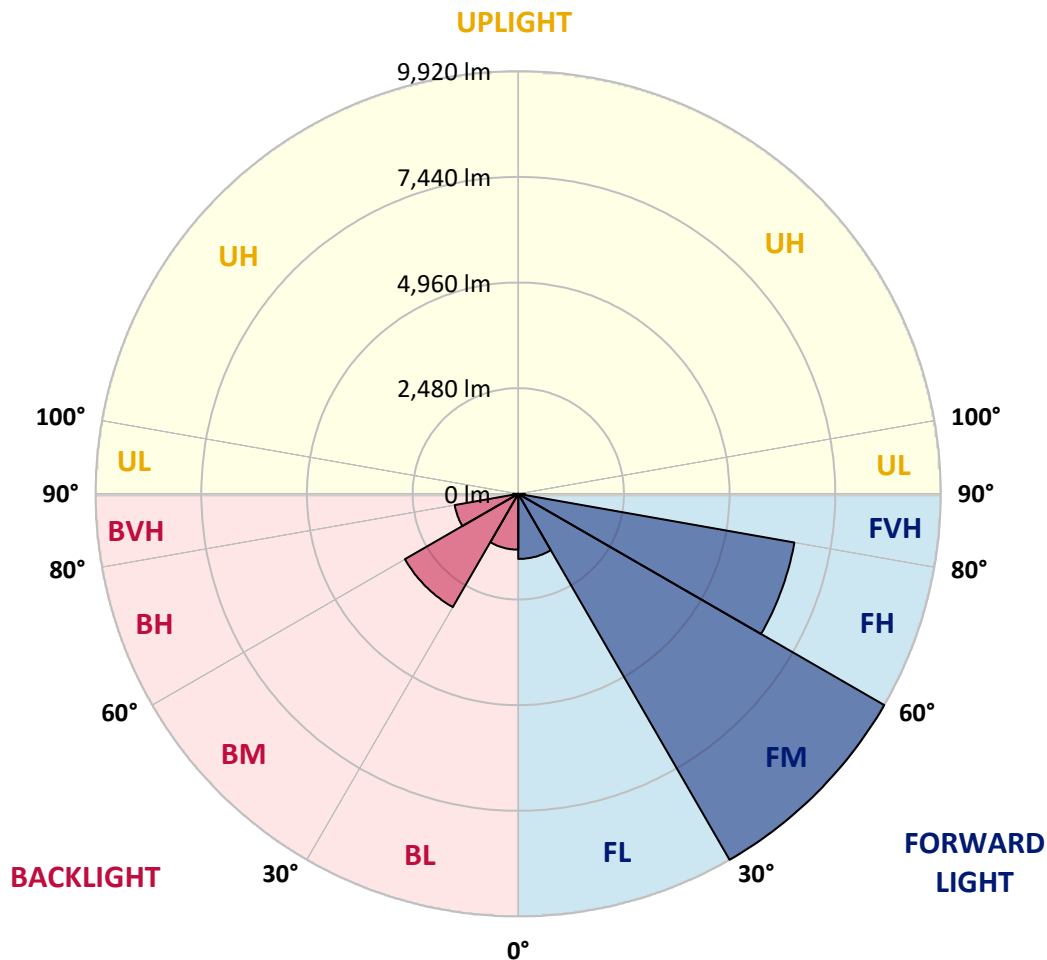
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1529.6	6.3			
FM (30°-60°)	9919.8	41.0			
FH (60°-80°)	6580.1	27.2			G3/7500
FVH (80°-90°)	158.4	0.7			G2/225
BL (0°-30°)	1311.2	5.4	B3/2500		
BM (30°-60°)	3072.2	12.7	B3/5000		
BH (60°-80°)	1514.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	121.0	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°	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9
2.5°	2656.9	2672.2	2668.3	2662.0	2660.7	2663.3	2667.1	2670.9	2669.6	2676.0
5°	2649.3	2664.5	2663.3	2663.3	2668.3	2678.5	2684.9	2691.2	2684.9	2692.5
7.5°	2654.4	2665.8	2670.9	2676.0	2688.7	2707.8	2723.0	2737.0	2729.4	2738.3
10°	2719.2	2728.1	2733.2	2733.2	2742.1	2763.7	2779.0	2804.4	2798.1	2812.1
12.5°	2837.5	2846.4	2846.4	2841.3	2847.7	2861.7	2866.8	2894.7	2883.3	2906.2
15°	2982.5	3000.3	2986.3	2977.4	2979.9	2993.9	2992.7	3014.3	3002.8	3021.9
17.5°	3142.7	3165.6	3142.7	3141.5	3136.4	3151.6	3152.9	3172.0	3151.6	3165.6
20°	3332.2	3364.0	3345.0	3351.3	3339.9	3346.2	3352.6	3380.6	3348.8	3359.0
22.5°	3599.3	3637.5	3617.1	3641.3	3633.7	3628.6	3627.3	3676.9	3627.3	3631.1
25°	3988.5	4034.3	3998.7	4031.8	4031.8	4048.3	4067.4	4131.0	4048.3	4024.1
27.5°	4563.4	4609.2	4539.2	4559.6	4553.2	4593.9	4573.6	4731.3	4642.3	4602.8
30°	5255.3	5336.7	5204.4	5199.3	5193.0	5257.8	5287.1	5391.4	5301.1	5261.6
32.5°	6003.1	6088.3	5930.6	5884.9	5860.7	5900.1	5875.9	5959.9	5897.6	5836.5
35°	6794.2	6878.2	6728.1	6639.1	6542.4	6459.7	6373.2	6394.9	6336.4	6243.5
37.5°	7542.1	7696.0	7537.0	7441.6	7263.5	7102.0	6860.4	6759.9	6705.2	6620.0
40°	8303.9	8391.7	8270.8	8189.4	7996.1	7743.0	7356.4	7144.0	7070.2	6987.5
42.5°	8864.8	8948.7	8883.9	8827.9	8676.6	8382.8	7882.9	7617.1	7510.3	7417.4
45°	9309.9	9372.3	9331.6	9351.9	9287.1	9002.2	8428.6	8124.6	8013.9	7900.7
47.5°	9489.3	9555.4	9620.3	9741.1	9851.8	9641.9	9014.9	8674.0	8557.0	8441.3
50°	9468.9	9536.3	9724.6	9981.5	10324.9	10254.9	9633.0	9259.1	9151.0	9018.7
52.5°	9306.1	9382.4	9624.1	10051.4	10598.3	10714.1	10262.6	9863.2	9761.5	9603.7
55°	8878.8	8924.6	9287.1	9892.5	10663.2	11034.6	10879.4	10506.8	10405.0	10185.0
57.5°	8086.4	8152.6	8680.4	9463.8	10500.4	11252.1	11421.2	11183.4	11085.4	10768.8
60°	7052.4	7158.0	7762.1	8744.0	10085.8	11250.8	11913.4	11848.6	11767.2	11343.6
62.5°	5882.3	6004.4	6585.6	7726.5	9360.8	10931.6	12221.2	12405.6	12363.7	11874.0
65°	4517.6	4601.6	5180.2	6410.1	8232.7	10246.0	12256.8	12785.9	12793.5	12277.2
67.5°	3007.9	3249.6	3752.0	4810.1	6721.7	9125.5	11943.9	12848.2	12922.0	12415.8
70°	1467.7	1785.7	2277.9	3126.2	4810.1	7407.3	11126.1	12336.9	12501.0	12011.4
72.5°	609.2	712.2	980.6	1542.8	2761.2	4998.4	9482.9	10950.6	11254.6	10642.8
75°	410.8	445.1	560.9	791.1	1257.9	2464.8	6838.7	8165.3	8654.9	8038.1
77.5°	316.7	338.3	408.3	553.3	747.8	932.3	3660.4	4920.8	5173.9	4789.8
80°	249.3	265.8	305.2	403.2	530.4	498.6	1247.7	2229.6	2375.8	1993.0
82.5°	216.2	222.6	218.8	273.4	352.3	291.3	409.5	822.9	908.1	658.8
85°	156.4	174.2	181.9	169.2	187.0	147.5	167.9	291.3	320.5	286.2
87.5°	63.6	94.1	115.7	109.4	68.7	42.0	52.1	85.2	97.9	106.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849108
 CATALOG NUMBER: GLAN-SB6A-727-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2684.9	0°	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9	2684.9
2686.1	2.5°	2687.4	2696.3	2702.7	2710.3	2715.4	2723.0	2738.3	2747.2	2748.5	2754.8
2706.5	5°	2711.6	2724.3	2738.3	2758.6	2781.5	2800.6	2829.9	2850.2	2857.8	2864.2
2756.1	7.5°	2763.7	2781.5	2807.0	2842.6	2875.7	2901.1	2936.7	2960.9	2985.0	2993.9
2835.0	10°	2841.3	2866.8	2903.6	2952.0	2987.6	3020.6	3057.5	3077.9	3102.0	3112.2
2929.1	12.5°	2938.0	2964.7	3013.0	3080.4	3113.5	3136.4	3149.1	3144.0	3149.1	3158.0
3042.3	15°	3048.6	3077.9	3132.6	3205.1	3228.0	3207.6	3179.6	3154.2	3150.4	3152.9
3179.6	17.5°	3179.6	3201.2	3264.8	3325.9	3309.4	3225.4	3164.4	3123.7	3103.3	3097.0
3355.1	20°	3362.8	3362.8	3414.9	3453.1	3342.4	3200.0	3104.6	3038.5	2996.5	2978.7
3594.2	22.5°	3585.3	3565.0	3598.1	3571.4	3336.1	3128.8	2996.5	2882.0	2818.4	2793.0
3928.7	25°	3867.7	3843.5	3834.6	3669.3	3290.3	3015.6	2800.6	2662.0	2606.0	2592.0
4410.8	27.5°	4293.8	4232.7	4117.0	3722.7	3206.3	2837.5	2571.7	2443.2	2411.4	2412.7
5030.2	30°	4861.0	4738.9	4455.3	3731.6	3069.0	2585.7	2337.7	2246.1	2230.8	2237.2
5550.4	32.5°	5386.3	5270.5	4801.2	3690.9	2857.8	2338.9	2127.8	2066.8	2043.9	2051.5
5947.2	35°	5798.4	5766.6	5121.7	3633.7	2598.4	2107.5	1939.6	1887.4	1842.9	1832.7
6321.1	37.5°	6187.6	6174.8	5362.1	3553.6	2341.5	1943.4	1788.2	1719.5	1654.7	1619.1
6734.4	40°	6614.9	6602.2	5519.8	3430.2	2113.8	1800.9	1652.1	1561.8	1481.7	1416.8
7202.5	42.5°	7095.7	7020.6	5594.9	3253.4	1920.5	1680.1	1541.5	1419.4	1313.8	1254.0
7731.6	45°	7620.9	7451.8	5593.6	3028.3	1757.7	1569.5	1423.2	1250.2	1152.3	1096.3
8274.7	47.5°	8178.0	7863.9	5524.9	2779.0	1600.0	1447.4	1240.1	1107.8	1042.9	1008.6
8864.8	50°	8752.9	8249.2	5407.9	2492.8	1438.5	1308.7	1125.6	1035.3	985.7	953.9
9449.8	52.5°	9293.4	8599.0	5266.7	2168.5	1274.4	1173.9	1074.7	1004.8	952.6	917.0
10017.1	55°	9795.8	8900.4	5067.1	1836.6	1140.8	1083.6	1050.5	992.0	932.3	890.3
10593.2	57.5°	10242.2	9096.3	4722.4	1524.9	1045.5	1021.3	1025.1	970.4	901.7	866.1
11160.5	60°	10613.6	9240.0	4212.4	1236.2	967.9	960.2	985.7	929.7	849.6	808.9
11640.0	62.5°	10836.2	9237.4	3586.6	1012.4	901.7	904.3	933.5	878.8	797.5	759.3
11890.5	65°	10817.1	9011.1	2899.8	866.1	838.1	840.7	878.8	822.9	754.2	731.3
11764.6	67.5°	10434.3	8459.1	2224.5	770.7	768.2	779.6	824.2	784.7	727.5	725.0
11014.2	70°	9397.7	7313.1	1602.5	694.4	695.7	712.2	770.7	760.6	713.5	718.6
9260.3	72.5°	7535.7	5575.8	1076.0	614.3	615.6	642.3	719.9	741.5	699.5	766.9
6570.4	75°	5018.7	3477.2	691.9	529.1	530.4	564.7	675.4	704.6	661.4	764.4
3418.7	77.5°	2411.4	1563.1	501.1	445.1	445.1	476.9	583.8	630.8	563.4	594.0
1098.9	80°	833.1	587.6	394.3	358.7	351.0	372.7	492.2	546.9	485.8	447.7
358.7	82.5°	328.1	305.2	316.7	278.5	253.1	267.1	382.8	451.5	357.4	323.1
202.2	85°	188.2	198.4	223.8	184.4	146.3	164.1	281.1	324.3	269.6	237.8
66.1	87.5°	50.9	70.0	103.0	95.4	66.1	70.0	133.5	179.3	155.2	119.6
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°
2684.9
2753.6
2862.9
2995.2
3117.3
3160.5
3161.8
3105.9
2974.9
2789.2
2594.6
2416.5
2258.8
2061.7
1840.4
1620.3
1423.2
1257.9
1093.8
1000.9
942.4
901.7
873.8
843.2
791.1
747.8
730.0
728.8
717.3
777.1
770.7
544.4
419.7
321.8
242.9
123.4
0.0

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