

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: P942192

Luminaire Tested: **GLAN-SB6A-830-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 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: 24229 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

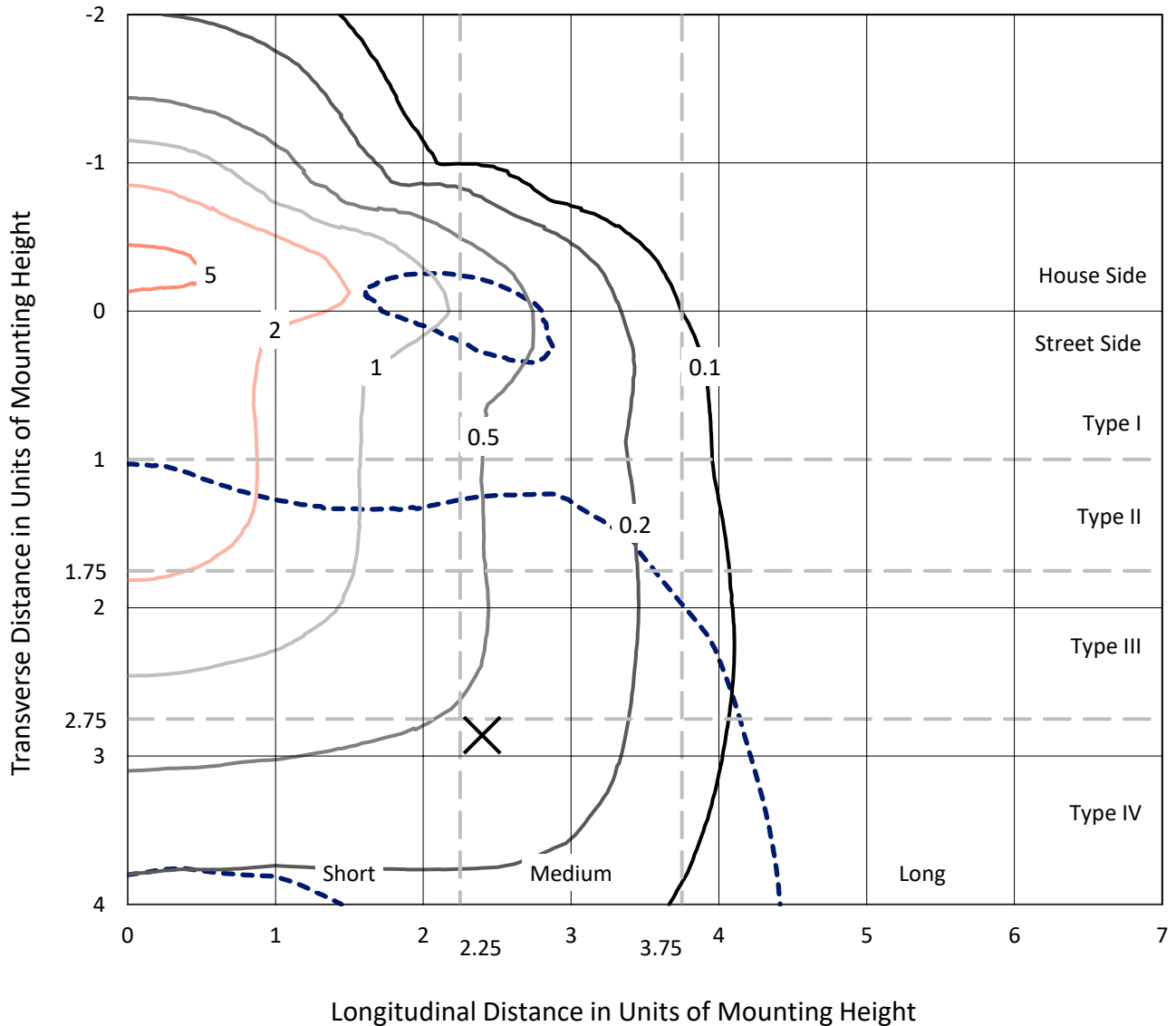
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

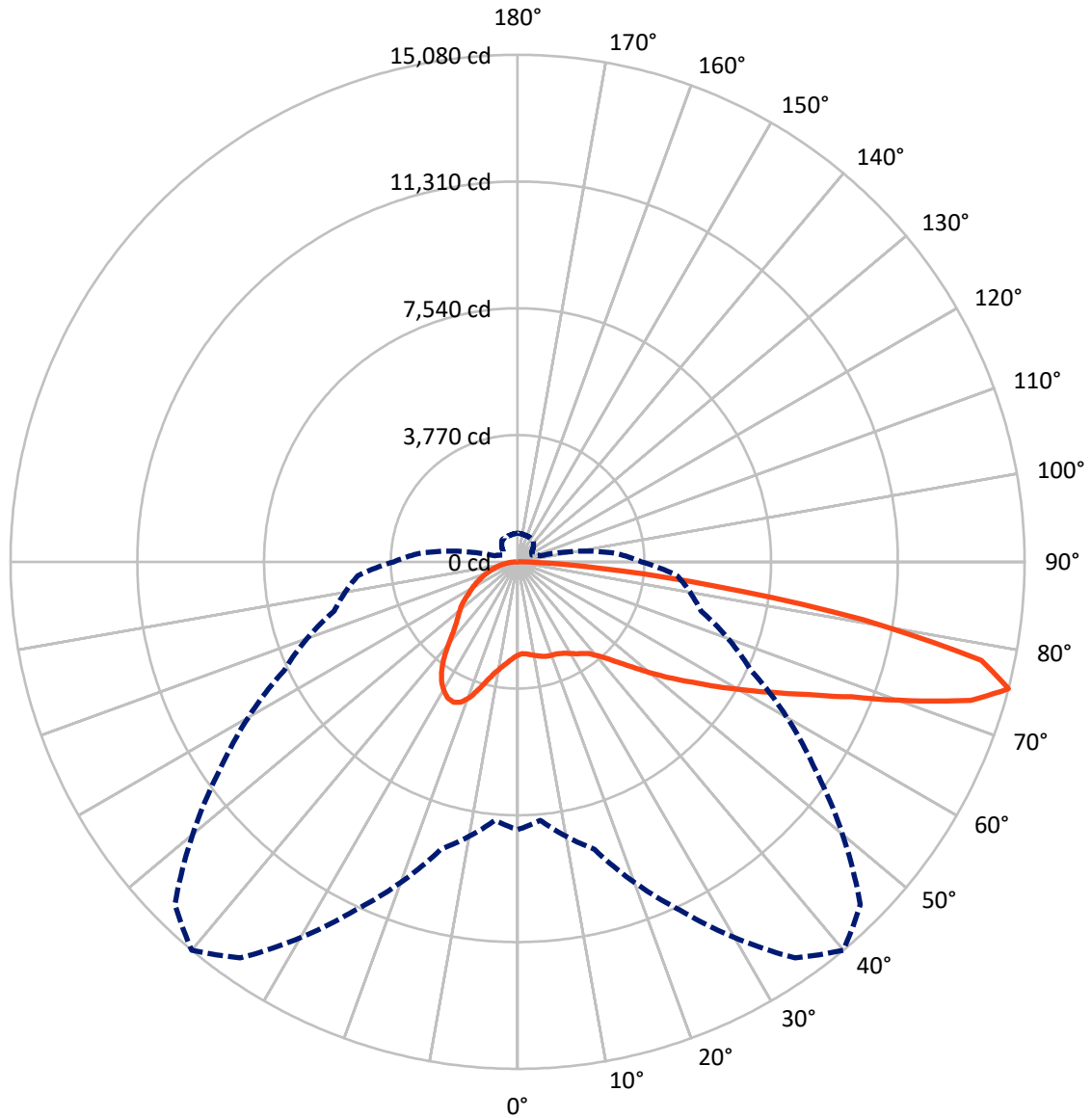
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	7506.9	0.0	7506.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	16722.0	0.0	16722.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	24229.0	0.0	24229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	1.1
10°-20°	928.5	3.8
20°-30°	1695.4	7.0
30°-40°	2404.6	9.9
40°-50°	3246.9	13.4
50°-60°	4368.0	18.0
60°-70°	5544.0	22.9
70°-80°	5031.5	20.8
80°-90°	733.4	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°	24229.0	100.0
0°-180°	24229.0	100.0

Coefficient of Utilization

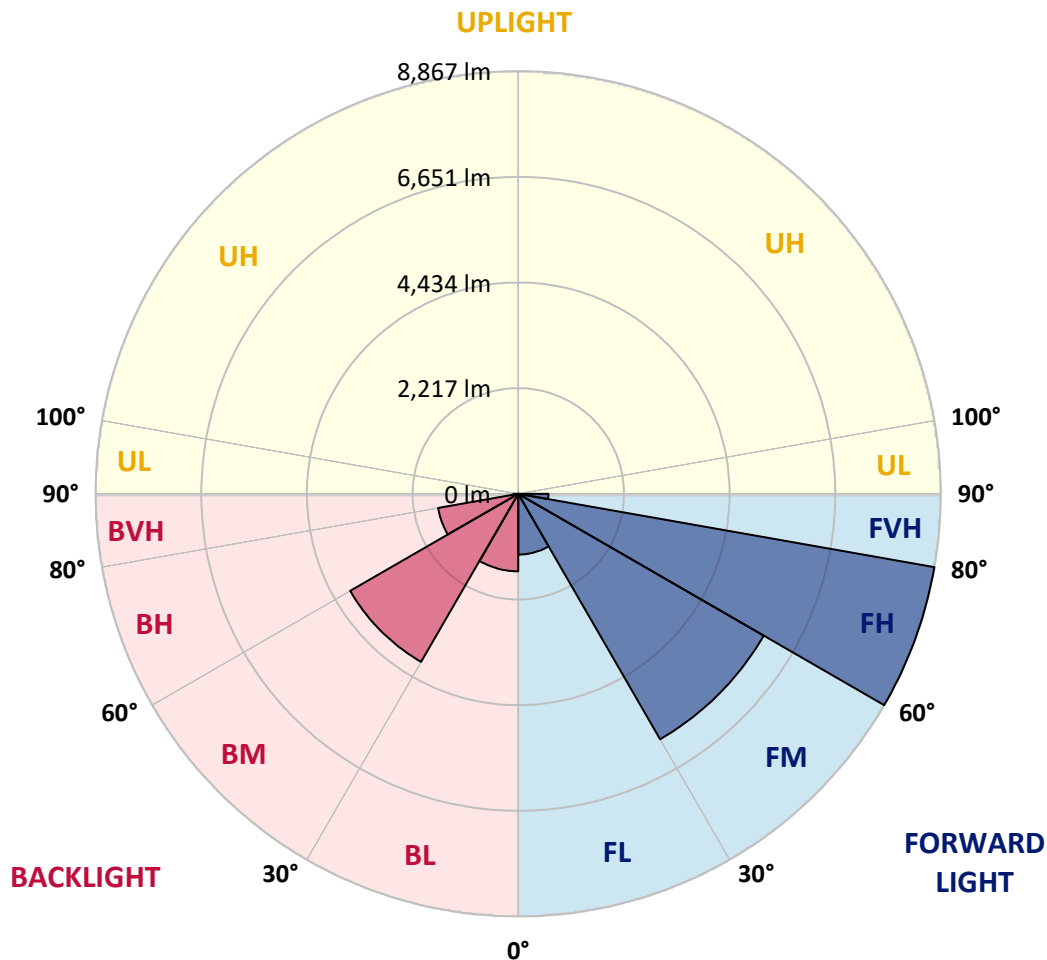


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1274.5	5.3			
FM (30°-60°)	5947.7	24.5			
FH (60°-80°)	8867.4	36.6			G4/12000
FVH (80°-90°)	632.5	2.6			G4/750
BL (0°-30°)	1626.1	6.7	B3/2500		
BM (30°-60°)	4071.8	16.8	B3/5000		
BH (60°-80°)	1708.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	101.0	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°	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6
2.5°	2728.2	2743.6	2739.8	2734.6	2734.6	2735.9	2734.6	2743.6	2752.6	2761.6
5°	2756.5	2771.9	2764.2	2757.8	2752.6	2751.3	2747.5	2746.2	2751.3	2762.9
7.5°	2811.7	2827.2	2815.6	2804.0	2793.7	2788.6	2783.5	2775.8	2771.9	2778.3
10°	2873.4	2888.8	2874.7	2854.1	2837.4	2831.0	2825.9	2818.2	2813.0	2816.9
12.5°	2935.1	2950.5	2931.3	2903.0	2881.1	2877.3	2870.9	2868.3	2867.0	2865.7
15°	2992.9	3005.8	2981.4	2948.0	2924.8	2918.4	2912.0	2915.8	2922.3	2930.0
17.5°	3037.9	3050.8	3014.8	2971.1	2949.2	2946.7	2942.8	2955.7	2973.7	2992.9
20°	3079.0	3091.9	3045.6	2986.5	2960.8	2960.8	2962.1	2989.1	3014.8	3043.1
22.5°	3136.9	3147.1	3090.6	3009.6	2972.4	2974.9	2985.2	3012.2	3044.3	3082.9
25°	3223.0	3230.7	3161.3	3053.3	3010.9	3018.6	3027.6	3040.5	3071.3	3116.3
27.5°	3361.8	3368.2	3276.9	3130.4	3066.2	3079.0	3091.9	3082.9	3097.0	3135.6
30°	3557.1	3560.9	3445.3	3251.2	3160.0	3166.4	3169.0	3131.7	3104.7	3135.6
32.5°	3788.4	3787.1	3649.6	3397.7	3266.7	3260.2	3238.4	3165.1	3102.2	3129.2
35°	4146.9	4132.8	3955.5	3603.3	3387.5	3347.6	3296.2	3202.4	3115.0	3122.7
37.5°	4740.6	4696.9	4451.5	3940.0	3567.4	3465.8	3390.0	3262.8	3143.3	3120.2
40°	5410.2	5354.9	5085.0	4401.4	3837.2	3674.0	3551.9	3348.9	3189.6	3131.7
42.5°	6204.3	6125.9	5835.5	4945.0	4179.1	3942.6	3758.8	3458.1	3257.7	3169.0
45°	7179.7	7075.6	6664.4	5557.9	4609.6	4294.7	4049.3	3623.9	3361.8	3241.0
47.5°	8165.4	8191.1	7606.3	6259.6	5126.2	4729.1	4412.9	3873.2	3513.4	3356.6
50°	9212.7	9230.7	8543.2	7037.1	5712.2	5220.0	4821.6	4152.1	3724.1	3521.1
52.5°	10030.0	10032.6	9393.9	7850.5	6322.6	5759.7	5262.4	4470.8	3968.3	3739.6
55°	10541.5	10535.0	9990.2	8620.3	7024.2	6326.4	5750.7	4833.2	4266.4	3996.6
57.5°	10912.8	10893.6	10401.4	9282.1	7772.1	6995.9	6303.3	5244.4	4618.6	4302.4
60°	11054.2	11042.6	10680.2	9853.9	8558.6	7736.1	6940.7	5704.4	5018.2	4663.5
62.5°	11108.2	11130.0	10954.0	10407.8	9400.3	8556.0	7641.0	6254.5	5468.0	5072.2
65°	11298.4	11338.2	11302.2	11132.6	10351.3	9516.0	8570.2	6908.6	5958.9	5510.4
67.5°	11674.9	11714.7	11730.2	12000.0	11513.0	10712.4	9729.3	7723.3	6533.3	5965.3
70°	11665.9	11654.3	11926.8	12690.1	12967.7	12368.8	11291.9	8725.6	7218.3	6343.1
72.5°	10618.6	10526.0	11169.9	12682.4	14178.2	14098.5	13200.3	10018.4	7809.4	6389.4
75°	7966.2	7719.4	8856.7	11429.4	14380.0	15080.3	14413.4	10820.3	7669.3	5645.3
77.5°	3406.7	3158.7	4499.0	8460.9	12870.0	14097.3	13300.5	9440.1	6122.1	3733.1
80°	891.8	890.6	1359.6	3835.9	8752.6	10410.4	9133.0	6096.4	3498.0	1333.9
82.5°	368.8	359.8	499.9	1492.0	4276.7	5841.9	4767.6	2719.2	1263.2	361.1
85°	137.5	136.2	242.9	515.3	1508.7	2409.5	1743.8	695.2	314.8	176.1
87.5°	38.6	37.3	52.7	178.6	367.5	557.7	298.1	114.4	88.7	69.4
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°
2770.6	0°	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6	2770.6
2775.8	2.5°	2779.6	2786.0	2797.6	2806.6	2818.2	2831.0	2849.0	2860.6	2872.1	2879.8
2782.2	5°	2791.2	2805.3	2834.9	2864.4	2899.1	2931.3	2968.5	2995.5	3017.4	3023.8
2805.3	7.5°	2816.9	2840.0	2890.1	2940.2	2995.5	3048.2	3102.2	3148.4	3185.7	3199.8
2846.4	10°	2861.9	2892.7	2963.4	3034.1	3107.3	3188.3	3257.7	3324.5	3377.2	3399.0
2895.3	12.5°	2918.4	2957.0	3049.5	3147.1	3248.7	3360.5	3450.4	3532.7	3598.2	3627.8
2963.4	15°	2991.7	3041.8	3160.0	3291.1	3440.1	3595.6	3710.0	3801.2	3874.5	3910.5
3034.1	17.5°	3071.3	3138.1	3287.2	3485.1	3698.4	3902.8	4036.4	4103.2	4179.1	4213.8
3099.6	20°	3148.4	3230.7	3444.0	3731.9	4015.9	4233.0	4341.0	4359.0	4364.1	4368.0
3161.3	22.5°	3228.1	3338.6	3640.6	4042.8	4347.4	4497.8	4513.2	4436.1	4328.1	4278.0
3221.7	25°	3315.5	3462.0	3897.6	4386.0	4632.7	4650.7	4532.5	4344.8	4140.5	4046.7
3270.5	27.5°	3400.3	3604.6	4206.0	4713.6	4838.3	4680.2	4425.8	4159.8	3913.0	3814.1
3305.2	30°	3485.1	3767.8	4546.6	5000.2	4932.1	4607.0	4257.4	3960.6	3712.6	3608.5
3336.1	32.5°	3571.2	3958.0	4938.5	5207.1	4915.4	4451.5	4048.0	3737.0	3518.5	3409.3
3363.0	35°	3668.9	4191.9	5309.9	5320.2	4803.6	4222.8	3771.7	3469.7	3279.5	3192.1
3395.2	37.5°	3796.1	4488.8	5637.6	5348.5	4608.3	3887.3	3428.6	3153.6	2996.8	2957.0
3442.7	40°	3954.2	4846.0	5888.2	5303.5	4319.1	3480.0	3053.3	2833.6	2744.9	2753.9
3507.0	42.5°	4159.8	5245.7	6064.3	5187.8	3916.9	3059.8	2724.4	2626.7	2669.1	2705.1
3603.3	45°	4427.1	5660.7	6173.5	4991.2	3462.0	2703.8	2530.3	2553.4	2585.6	2589.4
3758.8	47.5°	4768.9	6081.0	6245.5	4694.4	2998.1	2453.2	2406.9	2412.1	2405.7	2378.7
3991.4	50°	5195.6	6489.6	6309.7	4301.1	2603.6	2296.4	2234.7	2216.8	2128.1	2040.7
4301.1	52.5°	5681.3	6864.9	6336.7	3812.8	2296.4	2165.3	2065.1	1952.0	1786.3	1759.3
4690.5	55°	6221.0	7211.8	6267.3	3212.7	2038.1	1997.0	1845.4	1709.1	1691.2	1668.0
5203.3	57.5°	6866.1	7585.8	6125.9	2543.2	1773.4	1800.4	1652.6	1668.0	1635.9	1599.9
5862.5	60°	7571.7	7972.6	5877.9	1932.8	1499.7	1554.9	1602.5	1601.2	1592.2	1562.6
6557.7	62.5°	8206.5	8227.0	5389.6	1480.4	1259.4	1364.7	1494.5	1493.3	1485.5	1468.8
7283.8	65°	8584.3	8188.5	4574.9	1165.6	1061.5	1208.0	1348.0	1358.3	1359.6	1358.3
7830.0	67.5°	8517.5	7737.4	3456.8	927.8	898.3	1048.6	1202.8	1217.0	1227.2	1229.8
7899.3	70°	7761.8	6746.6	2254.0	740.2	753.1	908.5	1065.3	1079.5	1088.5	1098.7
6854.6	72.5°	6050.1	4960.4	1290.2	598.8	625.8	787.8	929.1	945.8	951.0	970.2
4770.2	75°	3686.9	2917.1	696.5	471.6	514.0	673.4	794.2	813.5	822.4	845.6
2342.7	77.5°	1752.8	1263.2	397.1	367.5	413.8	550.0	670.8	692.7	668.2	681.1
646.4	80°	592.4	469.1	250.6	280.1	316.1	429.2	537.2	559.0	507.6	505.0
214.6	82.5°	206.9	190.2	159.3	186.3	204.3	307.1	406.1	434.4	377.8	376.5
96.4	85°	81.0	77.1	88.7	101.5	122.1	188.9	267.3	281.4	232.6	187.6
28.3	87.5°	16.7	18.0	21.8	23.1	37.3	65.5	96.4	118.2	93.8	79.7
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°
2770.6
2874.7
3026.3
3201.1
3400.3
3627.8
3907.9
4212.5
4378.2
4292.1
4060.8
3825.7
3620.1
3423.4
3211.4
2985.2
2784.8
2738.5
2615.1
2399.2
2052.3
1768.3
1671.9
1593.5
1552.4
1462.4
1358.3
1232.4
1103.9
977.9
848.1
670.8
499.9
358.5
185.1
73.2
0.0

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