

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: P848438

Luminaire Tested: **GLAN-SB5A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848438
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-SB5A-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21903 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

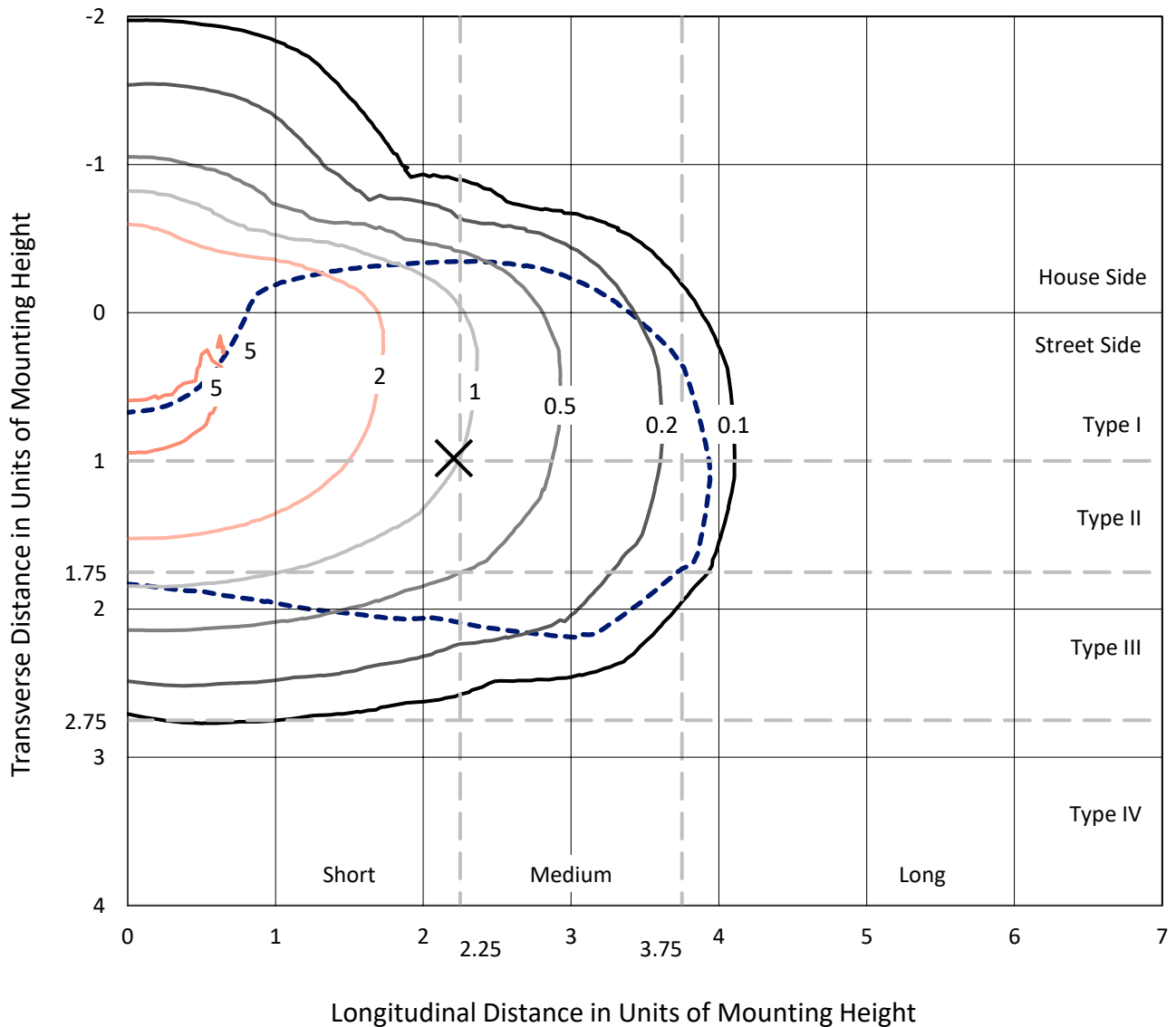
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

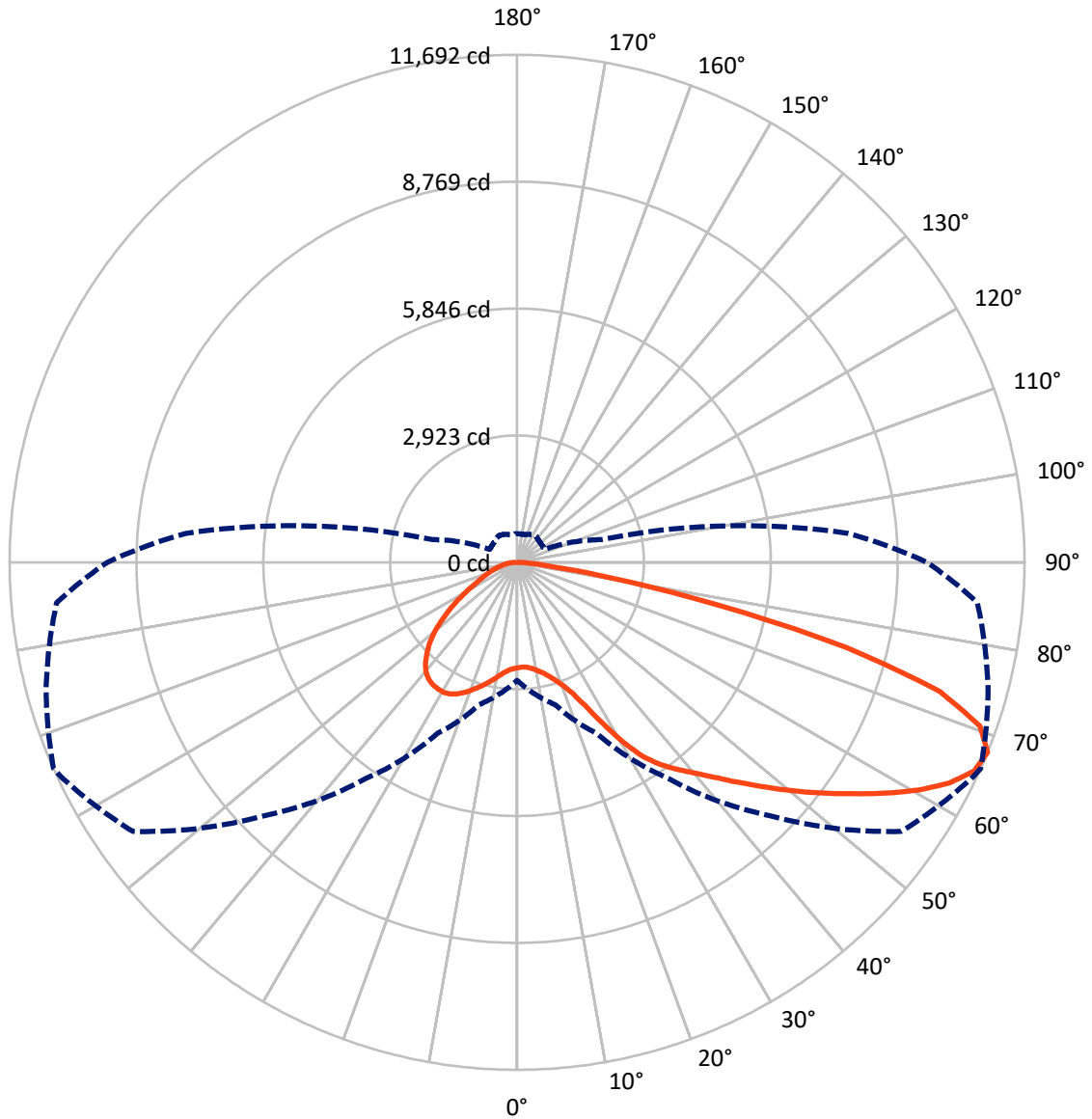
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	5446.1	0.0	5446.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16456.9	0.0	16456.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	21903.0	0.0	21903.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	1.1
10°-20°	795.8	3.6
20°-30°	1533.8	7.0
30°-40°	2689.3	12.3
40°-50°	3998.1	18.3
50°-60°	5068.0	23.1
60°-70°	4958.9	22.6
70°-80°	2365.4	10.8
80°-90°	252.8	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°	21903.0	100.0
0°-180°	21903.0	100.0

Coefficient of Utilization



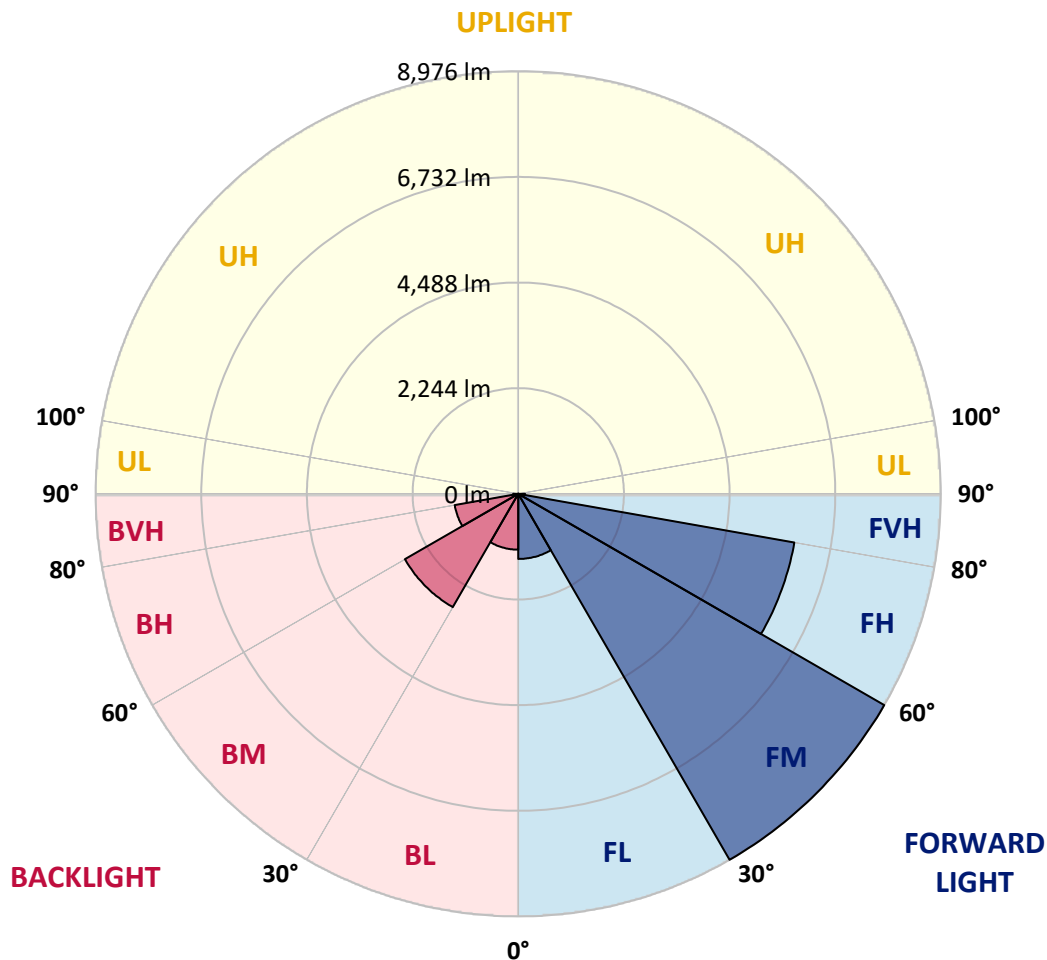
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.1	6.3			
FM (30°-60°)	8975.7	41.0			
FH (60°-80°)	5953.8	27.2			G3/7500
FVH (80°-90°)	143.3	0.7			G2/225
BL (0°-30°)	1186.4	5.4	B3/2500		
BM (30°-60°)	2779.8	12.7	B3/5000		
BH (60°-80°)	1370.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	109.5	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



REPORT NUMBER: P848438
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3
2.5°	2404.0	2417.8	2414.4	2408.6	2407.5	2409.8	2413.2	2416.7	2415.5	2421.3
5°	2397.1	2410.9	2409.8	2409.8	2414.4	2423.6	2429.3	2435.1	2429.3	2436.2
7.5°	2401.7	2412.1	2416.7	2421.3	2432.8	2450.0	2463.9	2476.5	2469.6	2477.7
10°	2460.4	2468.5	2473.1	2473.1	2481.1	2500.7	2514.5	2537.5	2531.8	2544.4
12.5°	2567.4	2575.5	2575.5	2570.9	2576.6	2589.3	2593.9	2619.2	2608.9	2629.6
15°	2698.6	2714.7	2702.1	2694.0	2696.3	2709.0	2707.8	2727.4	2717.0	2734.3
17.5°	2843.6	2864.3	2843.6	2842.5	2837.9	2851.7	2852.8	2870.1	2851.7	2864.3
20°	3015.1	3043.9	3026.6	3032.3	3022.0	3027.7	3033.5	3058.8	3030.0	3039.3
22.5°	3256.8	3291.3	3272.9	3294.7	3287.8	3283.2	3282.1	3327.0	3282.1	3285.5
25°	3608.9	3650.3	3618.1	3648.0	3648.0	3663.0	3680.2	3737.8	3663.0	3641.1
27.5°	4129.1	4170.5	4107.2	4125.6	4119.9	4156.7	4138.3	4281.0	4200.4	4164.7
30°	4755.1	4828.7	4709.1	4704.5	4698.7	4757.4	4783.9	4878.2	4796.5	4760.8
32.5°	5431.8	5508.9	5366.2	5324.7	5302.9	5338.5	5316.7	5392.6	5336.2	5281.0
35°	6147.6	6223.5	6087.7	6007.2	5919.7	5844.9	5766.6	5786.2	5733.3	5649.3
37.5°	6824.2	6963.5	6819.6	6733.3	6572.2	6426.0	6207.4	6116.5	6067.0	5989.9
40°	7513.6	7593.0	7483.6	7410.0	7235.1	7006.1	6656.2	6464.0	6397.3	6322.5
42.5°	8021.1	8097.0	8038.3	7987.7	7850.7	7584.9	7132.6	6892.1	6795.5	6711.4
45°	8423.8	8480.2	8443.4	8461.8	8403.1	8145.3	7626.3	7351.3	7251.2	7148.8
47.5°	8586.1	8645.9	8704.6	8814.0	8914.1	8724.2	8156.8	7848.4	7742.6	7637.8
50°	8567.7	8628.7	8799.0	9031.5	9342.2	9278.9	8716.1	8377.8	8280.0	8160.3
52.5°	8420.4	8489.4	8708.1	9094.7	9589.6	9694.3	9285.8	8924.4	8832.4	8689.7
55°	8033.7	8075.1	8403.1	8950.9	9648.3	9984.3	9843.9	9506.7	9414.7	9215.6
57.5°	7316.8	7376.6	7854.2	8563.1	9501.0	10181.1	10334.2	10119.0	10030.3	9743.8
60°	6381.2	6476.7	7023.3	7911.7	9125.8	10179.9	10779.5	10720.8	10647.2	10264.0
62.5°	5322.4	5432.9	5958.8	6991.1	8469.9	9891.1	11058.0	11224.9	11186.9	10743.8
65°	4087.6	4163.6	4687.2	5800.0	7449.1	9270.8	11090.2	11569.0	11575.9	11108.6
67.5°	2721.6	2940.3	3394.9	4352.3	6082.0	8257.0	10807.1	11625.3	11692.1	11234.1
70°	1328.0	1615.7	2061.1	2828.7	4352.3	6702.2	10067.2	11162.7	11311.2	10868.1
72.5°	551.2	644.4	887.3	1395.9	2498.4	4522.6	8580.3	9908.4	10183.4	9629.9
75°	371.7	402.8	507.5	715.8	1138.1	2230.2	6187.8	7388.1	7831.2	7273.0
77.5°	286.5	306.1	369.4	500.6	676.7	843.5	3312.0	4452.4	4681.4	4333.9
80°	225.6	240.5	276.2	364.8	479.9	451.1	1128.9	2017.3	2149.7	1803.3
82.5°	195.6	201.4	197.9	247.4	318.8	263.5	370.6	744.6	821.7	596.1
85°	141.5	157.7	164.6	153.1	169.2	133.5	151.9	263.5	290.0	258.9
87.5°	57.5	85.2	104.7	99.0	62.1	38.0	47.2	77.1	88.6	96.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848438
 CATALOG NUMBER: GLAN-SB5A-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2429.3	0°	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3	2429.3
2430.5	2.5°	2431.6	2439.7	2445.4	2452.3	2457.0	2463.9	2477.7	2485.7	2486.9	2492.6
2448.9	5°	2453.5	2465.0	2477.7	2496.1	2516.8	2534.1	2560.5	2578.9	2585.8	2591.6
2493.8	7.5°	2500.7	2516.8	2539.8	2572.0	2602.0	2625.0	2657.2	2679.1	2700.9	2709.0
2565.1	10°	2570.9	2593.9	2627.3	2671.0	2703.2	2733.1	2766.5	2784.9	2806.8	2816.0
2650.3	12.5°	2658.3	2682.5	2726.2	2787.2	2817.2	2837.9	2849.4	2844.8	2849.4	2857.4
2752.7	15°	2758.5	2784.9	2834.4	2900.0	2920.7	2902.3	2877.0	2854.0	2850.5	2852.8
2877.0	17.5°	2877.0	2896.6	2954.1	3009.3	2994.4	2918.4	2863.2	2826.4	2807.9	2802.2
3035.8	20°	3042.7	3042.7	3089.9	3124.4	3024.3	2895.4	2809.1	2749.3	2711.3	2695.2
3252.2	22.5°	3244.1	3225.7	3255.6	3231.4	3018.5	2831.0	2711.3	2607.7	2550.2	2527.1
3554.8	25°	3499.6	3477.7	3469.7	3320.0	2977.1	2728.5	2534.1	2408.6	2358.0	2345.3
3991.0	27.5°	3885.1	3829.9	3725.1	3368.4	2901.2	2567.4	2326.9	2210.7	2181.9	2183.1
4551.4	30°	4398.3	4287.9	4031.2	3376.4	2776.9	2339.6	2115.2	2032.3	2018.5	2024.3
5022.1	32.5°	4873.6	4768.9	4344.3	3339.6	2585.8	2116.3	1925.3	1870.0	1849.3	1856.2
5381.1	35°	5246.5	5217.7	4634.3	3287.8	2351.1	1906.9	1755.0	1707.8	1667.5	1658.3
5719.5	37.5°	5598.6	5587.1	4851.8	3215.3	2118.6	1758.4	1618.0	1555.9	1497.2	1465.0
6093.5	40°	5985.3	5973.8	4994.5	3103.7	1912.6	1629.5	1494.9	1413.2	1340.7	1282.0
6517.0	42.5°	6420.3	6352.4	5062.4	2943.7	1737.7	1520.2	1394.8	1284.3	1188.8	1134.7
6995.7	45°	6895.6	6742.5	5061.2	2740.0	1590.4	1420.1	1287.7	1131.2	1042.6	992.0
7487.1	47.5°	7399.6	7115.4	4999.1	2514.5	1447.7	1309.6	1122.0	1002.3	943.7	912.6
8021.1	50°	7919.8	7464.1	4893.2	2255.6	1301.6	1184.2	1018.5	936.7	891.9	863.1
8550.4	52.5°	8408.9	7780.5	4765.4	1962.1	1153.1	1062.2	972.4	909.1	861.9	829.7
9063.7	55°	8863.4	8053.3	4584.8	1661.8	1032.3	980.5	950.6	897.6	843.5	805.6
9585.0	57.5°	9267.4	8230.5	4272.9	1379.8	946.0	924.1	927.5	878.1	815.9	783.7
10098.2	60°	9603.4	8360.5	3811.4	1118.6	875.8	868.9	891.9	841.2	768.7	731.9
10532.1	62.5°	9804.8	8358.2	3245.2	916.0	815.9	818.2	844.7	795.2	721.5	687.0
10758.8	65°	9787.5	8153.4	2623.8	783.7	758.4	760.7	795.2	744.6	682.4	661.7
10644.9	67.5°	9441.1	7653.9	2012.7	697.4	695.1	705.4	745.7	710.0	658.3	656.0
9965.9	70°	8503.2	6617.1	1450.0	628.3	629.5	644.4	697.4	688.2	645.6	650.2
8379.0	72.5°	6818.5	5045.1	973.6	555.8	557.0	581.2	651.4	670.9	632.9	693.9
5945.0	75°	4541.0	3146.3	626.0	478.7	479.9	511.0	611.1	637.5	598.4	691.6
3093.3	77.5°	2181.9	1414.3	453.4	402.8	402.8	431.5	528.2	570.8	509.8	537.4
994.3	80°	753.8	531.7	356.7	324.5	317.6	337.2	445.4	494.8	439.6	405.1
324.5	82.5°	296.9	276.2	286.5	252.0	229.0	241.7	346.4	408.5	323.4	292.3
183.0	85°	170.3	179.5	202.5	166.9	132.3	148.5	254.3	293.5	244.0	215.2
59.8	87.5°	46.0	63.3	93.2	86.3	59.8	63.3	120.8	162.3	140.4	108.2
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°
2429.3
2491.5
2590.4
2710.1
2820.6
2859.7
2860.9
2810.2
2691.7
2523.7
2347.6
2186.5
2043.8
1865.4
1665.2
1466.1
1287.7
1138.1
989.7
905.7
852.7
815.9
790.6
763.0
715.8
676.7
660.6
659.4
649.0
703.1
697.4
492.5
379.8
291.2
219.8
111.6
0.0

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