

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: P848588

Luminaire Tested: **GLAN-SB5B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848588
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-SB5B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22258 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

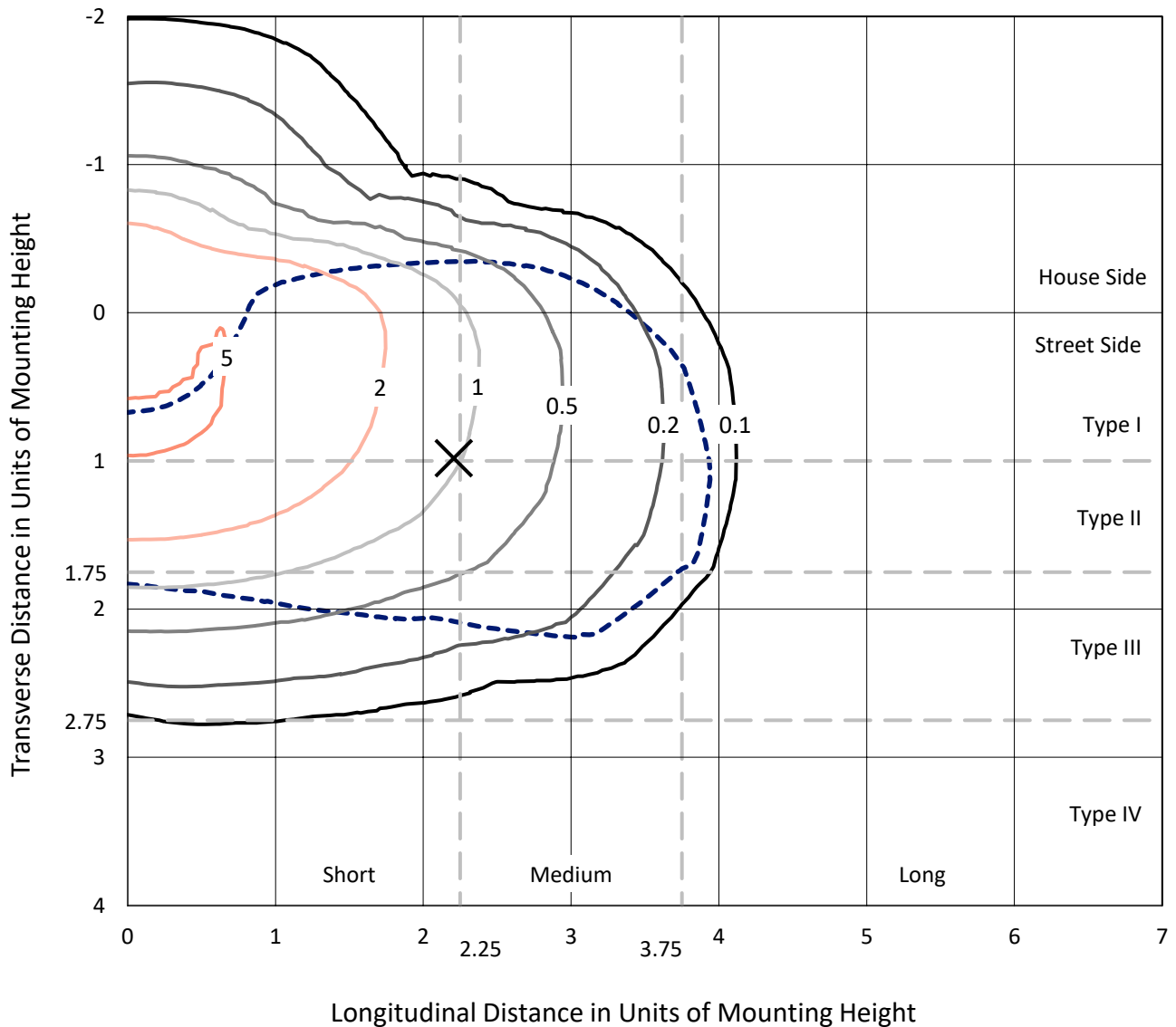
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

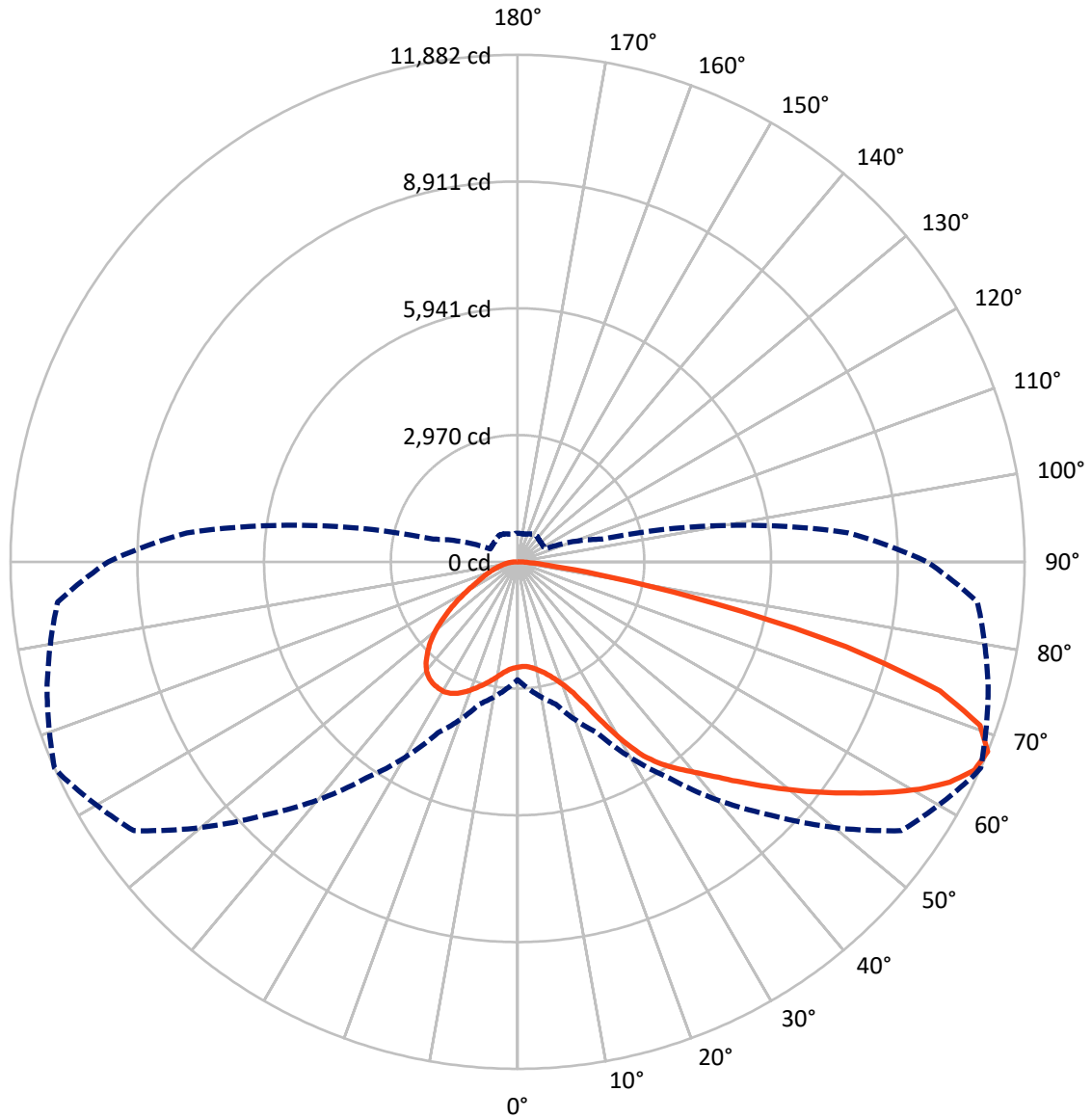
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	5534.4	0.0	5534.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16723.6	0.0	16723.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	22258.0	0.0	22258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	1.1
10°-20°	808.7	3.6
20°-30°	1558.7	7.0
30°-40°	2732.9	12.3
40°-50°	4062.9	18.3
50°-60°	5150.1	23.1
60°-70°	5039.3	22.6
70°-80°	2403.8	10.8
80°-90°	256.9	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°	22258.0	100.0
0°-180°	22258.0	100.0

Coefficient of Utilization



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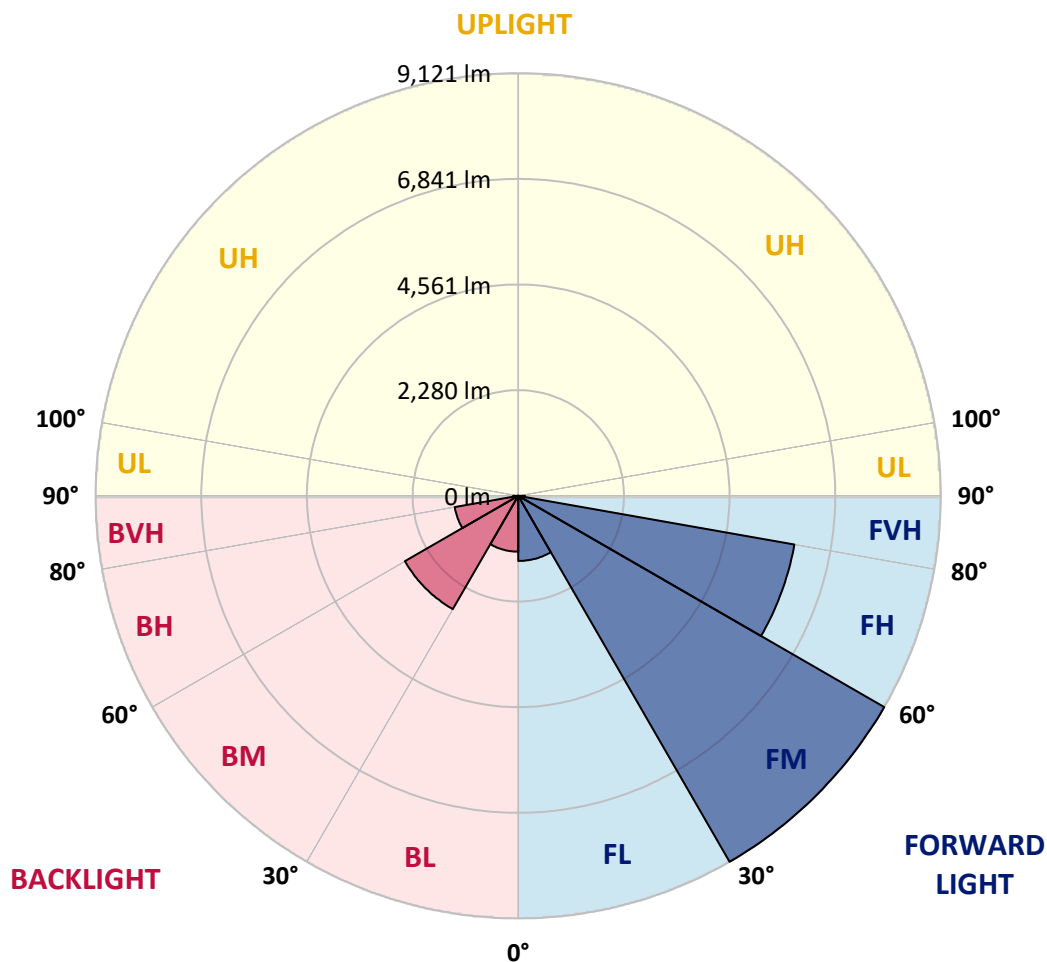
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1406.5	6.3			
FM (30°-60°)	9121.1	41.0			
FH (60°-80°)	6050.3	27.2			G3/7500
FVH (80°-90°)	145.6	0.7			G2/225
BL (0°-30°)	1205.6	5.4	B3/2500		
BM (30°-60°)	2824.8	12.7	B3/5000		
BH (60°-80°)	1392.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	111.2	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°	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7
2.5°	2443.0	2457.0	2453.5	2447.7	2446.5	2448.8	2452.3	2455.8	2454.7	2460.5
5°	2436.0	2450.0	2448.8	2448.8	2453.5	2462.9	2468.7	2474.6	2468.7	2475.7
7.5°	2440.6	2451.2	2455.8	2460.5	2472.2	2489.8	2503.8	2516.7	2509.6	2517.8
10°	2500.3	2508.5	2513.1	2513.1	2521.3	2541.2	2555.2	2578.6	2572.8	2585.7
12.5°	2609.0	2617.2	2617.2	2612.5	2618.4	2631.3	2635.9	2661.7	2651.1	2672.2
15°	2742.4	2758.7	2745.9	2737.7	2740.0	2752.9	2751.7	2771.6	2761.1	2778.6
17.5°	2889.7	2910.8	2889.7	2888.5	2883.9	2897.9	2899.1	2916.6	2897.9	2910.8
20°	3064.0	3093.2	3075.7	3081.5	3071.0	3076.8	3082.7	3108.4	3079.2	3088.5
22.5°	3309.5	3344.6	3325.9	3348.1	3341.1	3336.4	3335.3	3380.9	3335.3	3338.8
25°	3667.4	3709.5	3676.7	3707.2	3707.2	3722.4	3739.9	3798.4	3722.4	3700.1
27.5°	4196.0	4238.1	4173.8	4192.5	4186.6	4224.0	4205.3	4350.3	4268.5	4232.2
30°	4832.2	4907.0	4785.4	4780.7	4774.9	4834.5	4861.4	4957.3	4874.3	4838.0
32.5°	5519.8	5598.2	5453.1	5411.0	5388.8	5425.1	5402.9	5480.0	5422.7	5366.6
35°	6247.2	6324.4	6186.4	6104.5	6015.6	5939.6	5860.1	5880.0	5826.2	5740.8
37.5°	6934.8	7076.3	6930.2	6842.4	6678.7	6530.2	6308.0	6215.6	6165.3	6087.0
40°	7635.3	7716.0	7604.9	7530.1	7352.3	7119.6	6764.1	6568.8	6501.0	6425.0
42.5°	8151.1	8228.2	8168.6	8117.1	7978.0	7707.8	7248.2	7003.8	6905.6	6820.2
45°	8560.4	8617.7	8580.2	8599.0	8539.3	8277.4	7749.9	7470.4	7368.7	7264.6
47.5°	8725.3	8786.1	8845.7	8956.8	9058.6	8865.6	8289.1	7975.6	7868.1	7761.6
50°	8706.5	8768.5	8941.6	9177.8	9493.6	9429.3	8857.4	8513.6	8414.2	8292.6
52.5°	8556.9	8627.0	8849.2	9242.2	9745.0	9851.4	9436.3	9069.1	8975.5	8830.5
55°	8163.9	8206.0	8539.3	9096.0	9804.7	10146.1	10003.5	9660.8	9567.3	9364.9
57.5°	7435.4	7496.2	7981.5	8701.9	9655.0	10346.1	10501.6	10283.0	10192.9	9901.7
60°	6484.6	6581.7	7137.1	8040.0	9273.7	10344.9	10954.2	10894.6	10819.7	10430.3
62.5°	5408.7	5521.0	6055.4	7104.4	8607.1	10051.4	11237.2	11406.8	11368.2	10918.0
65°	4153.9	4231.1	4763.2	5894.0	7569.8	9421.1	11270.0	11756.5	11763.5	11288.7
67.5°	2765.7	2987.9	3449.9	4422.9	6180.5	8390.8	10982.3	11813.8	11881.6	11416.2
70°	1349.5	1641.9	2094.5	2874.5	4422.9	6810.9	10230.3	11343.7	11494.5	11044.3
72.5°	560.2	654.9	901.6	1418.5	2538.9	4595.9	8719.4	10069.0	10348.5	9785.9
75°	377.7	409.3	515.7	727.4	1156.6	2266.4	6288.1	7507.9	7958.1	7390.9
77.5°	291.2	311.1	375.4	508.7	687.6	857.2	3365.7	4524.6	4757.3	4404.1
80°	229.2	244.4	280.7	370.7	487.7	458.4	1147.2	2050.0	2184.5	1832.5
82.5°	198.8	204.7	201.1	251.4	323.9	267.8	376.6	756.6	835.0	605.8
85°	143.8	160.2	167.2	155.5	171.9	135.7	154.4	267.8	294.7	263.1
87.5°	58.5	86.5	106.4	100.6	63.2	38.6	47.9	78.4	90.0	98.2
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°
2468.7	0°	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7	2468.7
2469.9	2.5°	2471.0	2479.2	2485.1	2492.1	2496.8	2503.8	2517.8	2526.0	2527.2	2533.0
2488.6	5°	2493.3	2505.0	2517.8	2536.5	2557.6	2575.1	2602.0	2620.7	2627.8	2633.6
2534.2	7.5°	2541.2	2557.6	2581.0	2613.7	2644.1	2667.5	2700.3	2722.5	2744.7	2752.9
2606.7	10°	2612.5	2635.9	2669.9	2714.3	2747.0	2777.4	2811.4	2830.1	2852.3	2861.6
2693.2	12.5°	2701.4	2726.0	2770.4	2832.4	2862.8	2883.9	2895.6	2890.9	2895.6	2903.7
2797.3	15°	2803.2	2830.1	2880.4	2947.0	2968.1	2949.3	2923.6	2900.2	2896.7	2899.1
2923.6	17.5°	2923.6	2943.5	3002.0	3058.1	3042.9	2965.7	2909.6	2872.2	2853.5	2847.6
3085.0	20°	3092.0	3092.0	3140.0	3175.1	3073.3	2942.3	2854.6	2793.8	2755.2	2738.8
3304.9	22.5°	3296.7	3278.0	3308.4	3283.8	3067.5	2876.8	2755.2	2650.0	2591.5	2568.1
3612.4	25°	3556.3	3534.1	3525.9	3373.9	3025.4	2772.8	2575.1	2447.7	2396.2	2383.3
4055.6	27.5°	3948.1	3891.9	3785.5	3423.0	2948.2	2609.0	2364.6	2246.5	2217.3	2218.4
4625.2	30°	4469.6	4357.4	4096.6	3431.2	2821.9	2377.5	2149.4	2065.2	2051.2	2057.1
5103.5	32.5°	4952.6	4846.2	4414.7	3393.7	2627.8	2150.6	1956.5	1900.4	1879.3	1886.3
5468.3	35°	5331.5	5302.3	4709.4	3341.1	2389.2	1937.8	1783.4	1735.5	1694.5	1685.2
5812.2	37.5°	5689.4	5677.7	4930.4	3267.4	2153.0	1786.9	1644.2	1581.1	1521.5	1488.7
6192.2	40°	6082.3	6070.6	5075.4	3154.0	1943.6	1655.9	1519.1	1436.1	1362.4	1302.8
6622.6	42.5°	6524.4	6455.4	5144.4	2991.4	1765.9	1544.8	1417.4	1305.1	1208.0	1153.1
7109.1	45°	7007.3	6851.8	5143.2	2784.5	1616.2	1443.1	1308.6	1149.6	1059.5	1008.1
7608.4	47.5°	7519.6	7230.7	5080.1	2555.2	1471.2	1330.8	1140.2	1018.6	958.9	927.4
8151.1	50°	8048.1	7585.0	4972.5	2292.1	1322.6	1203.4	1035.0	951.9	906.3	877.1
8689.0	52.5°	8545.2	7906.6	4842.7	1993.9	1171.8	1079.4	988.2	923.9	875.9	843.2
9210.6	55°	9007.1	8183.8	4659.1	1688.7	1049.0	996.4	966.0	912.2	857.2	818.6
9740.3	57.5°	9417.6	8363.9	4342.2	1402.2	961.3	939.1	942.6	892.3	829.1	796.4
10261.9	60°	9759.0	8496.0	3873.2	1136.7	890.0	882.9	906.3	854.9	781.2	743.8
10702.8	62.5°	9963.7	8493.7	3297.8	930.9	829.1	831.5	858.4	808.1	733.2	698.2
10933.2	65°	9946.2	8285.5	2666.3	796.4	770.7	773.0	808.1	756.6	693.5	672.4
10817.4	67.5°	9594.2	7778.0	2045.4	708.7	706.3	716.9	757.8	721.5	668.9	666.6
10127.4	70°	8641.1	6724.3	1473.5	638.5	639.7	654.9	708.7	699.3	656.1	660.7
8514.8	72.5°	6929.0	5126.9	989.4	564.8	566.0	590.6	661.9	681.8	643.2	705.2
6041.4	75°	4614.6	3197.3	636.2	486.5	487.7	519.2	621.0	647.9	608.1	702.8
3143.5	77.5°	2217.3	1437.3	460.8	409.3	409.3	438.5	536.8	580.0	518.1	546.1
1010.4	80°	766.0	540.3	362.5	329.8	322.8	342.6	452.6	502.9	446.7	411.6
329.8	82.5°	301.7	280.7	291.2	256.1	232.7	245.6	352.0	415.2	328.6	297.0
185.9	85°	173.1	182.4	205.8	169.6	134.5	150.9	258.4	298.2	247.9	218.7
60.8	87.5°	46.8	64.3	94.7	87.7	60.8	64.3	122.8	164.9	142.7	109.9
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

<u>180°</u>
2468.7
2531.9
2632.4
2754.1
2866.3
2906.1
2907.2
2855.8
2735.3
2564.6
2385.7
2222.0
2076.9
1895.7
1692.2
1489.9
1308.6
1156.6
1005.7
920.4
866.6
829.1
803.4
775.3
727.4
687.6
671.3
670.1
659.6
714.5
708.7
500.5
385.9
295.9
223.4
113.4
0.0

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