

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: P847766

Luminaire Tested: **GLAN-SB4A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17480 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

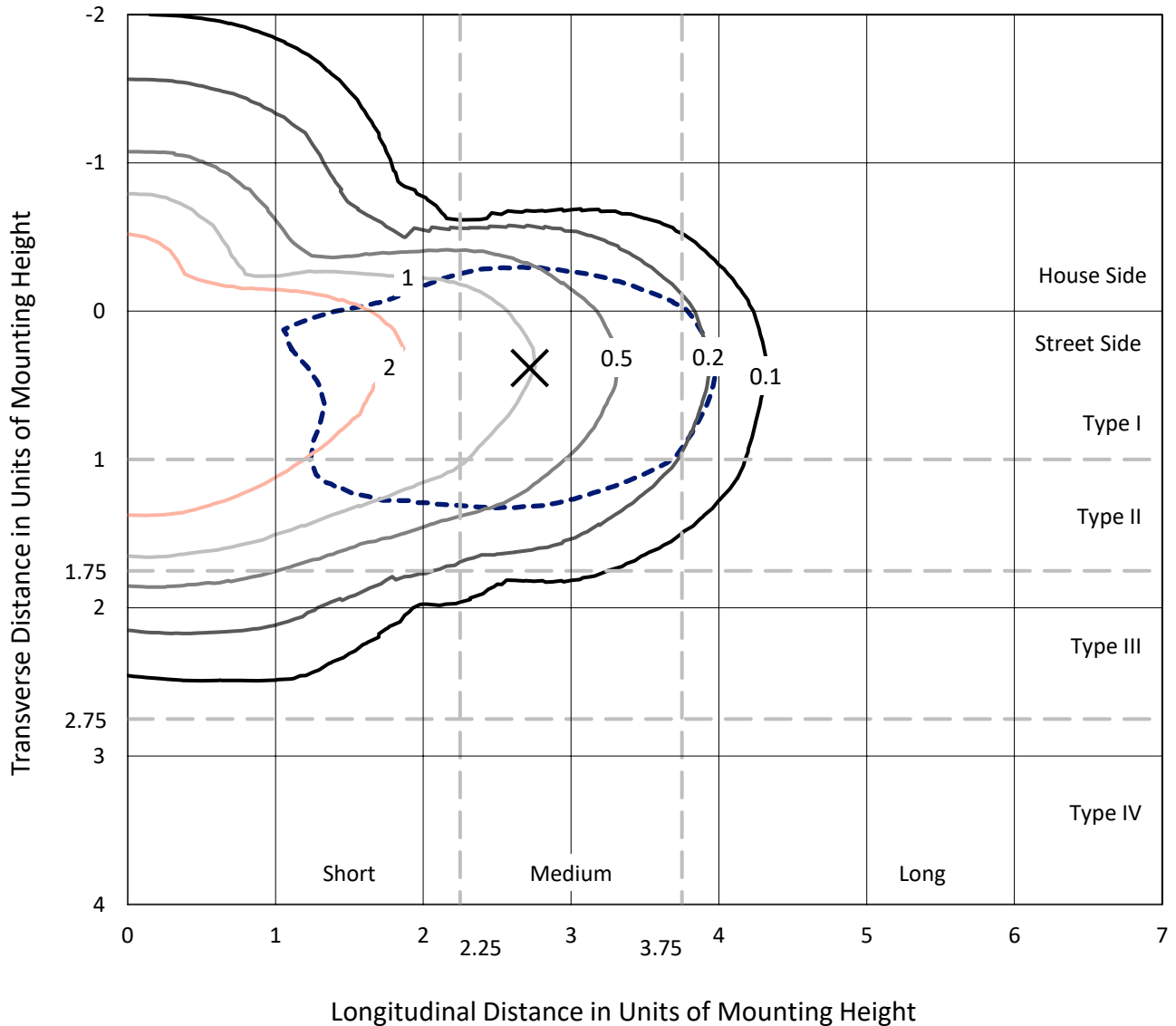
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

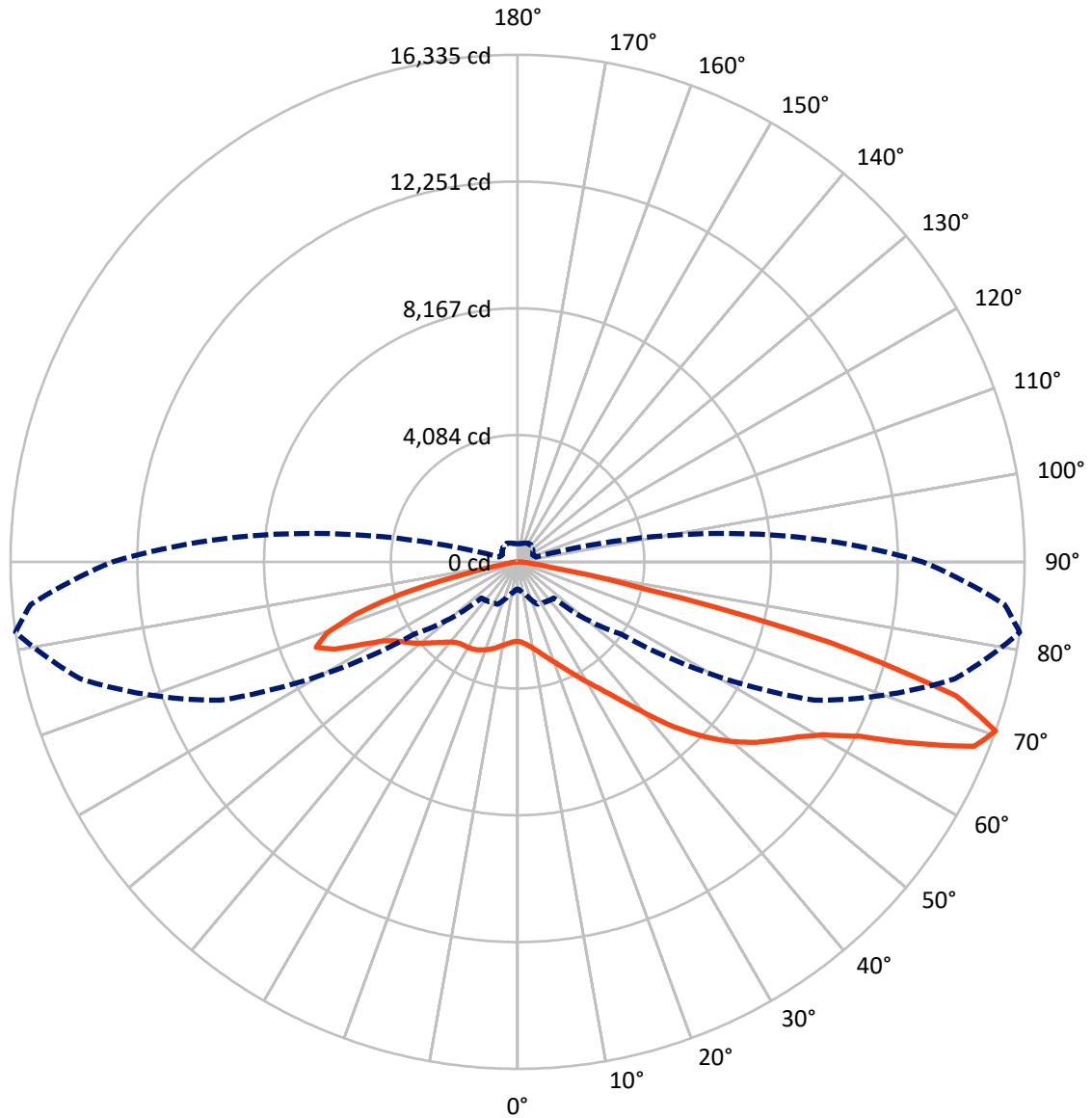
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4309.2	0.0	4309.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13170.8	0.0	13170.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	17480.0	0.0	17480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	1.4
10°-20°	695.2	4.0
20°-30°	1163.0	6.7
30°-40°	1816.9	10.4
40°-50°	2893.6	16.6
50°-60°	4026.8	23.0
60°-70°	4212.3	24.1
70°-80°	2201.6	12.6
80°-90°	228.6	1.3
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°	17480.0	100.0
0°-180°	17480.0	100.0

Coefficient of Utilization

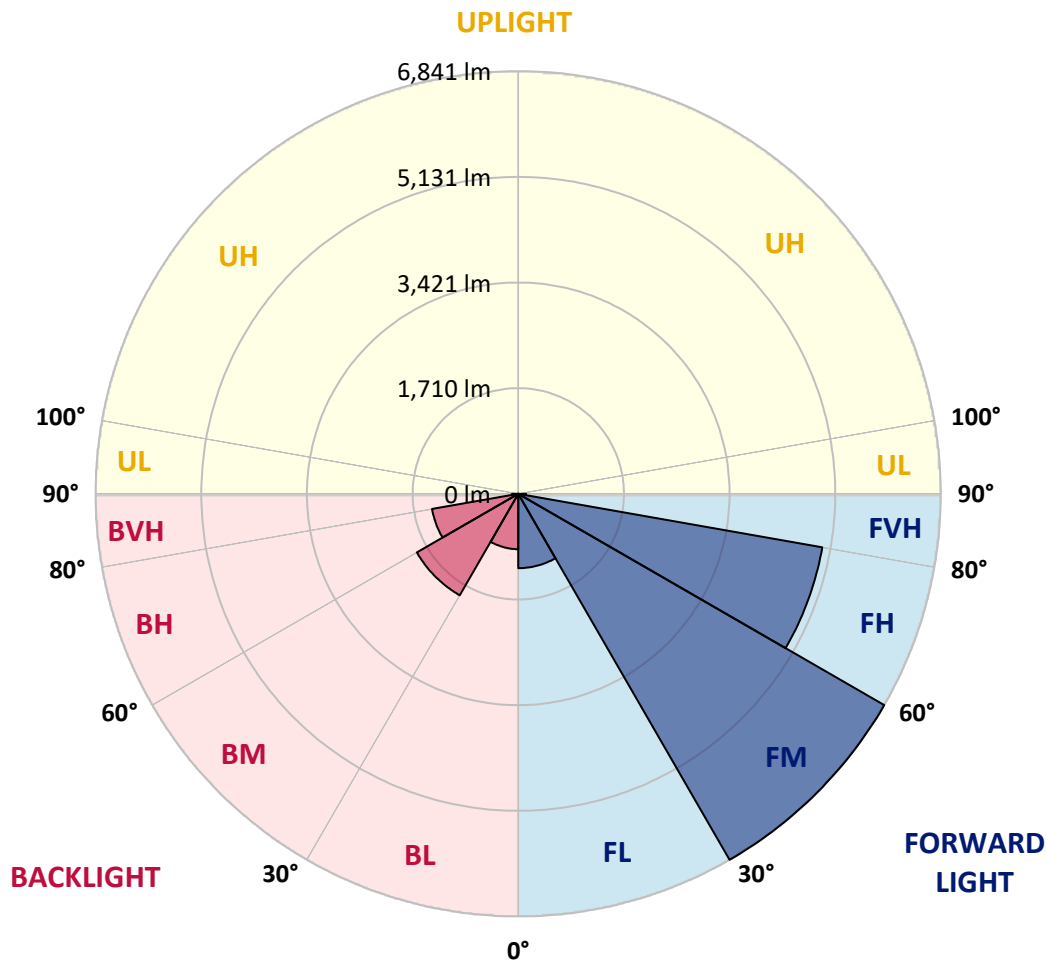


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1203.7	6.9			
FM (30°-60°)	6841.5	39.1			
FH (60°-80°)	4997.6	28.6			G2/5000
FVH (80°-90°)	128.0	0.7			G2/225
BL (0°-30°)	896.5	5.1	B2/1000		
BM (30°-60°)	1895.9	10.8	B2/2500		
BH (60°-80°)	1416.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	100.6	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8
2.5°	2624.0	2638.8	2634.2	2629.6	2629.6	2623.1	2622.1	2612.9	2605.5	2593.4
5°	2657.4	2673.2	2671.3	2675.0	2687.1	2689.9	2692.6	2687.1	2672.2	2657.4
7.5°	2627.7	2645.3	2650.9	2673.2	2710.3	2743.7	2768.7	2778.9	2765.0	2743.7
10°	2527.5	2547.0	2566.5	2619.4	2685.2	2764.1	2830.8	2870.7	2867.9	2847.5
12.5°	2324.4	2344.8	2386.6	2489.5	2610.1	2749.2	2873.5	2957.0	2985.7	2970.9
15°	2162.1	2179.7	2211.2	2317.0	2473.7	2685.2	2889.3	3051.6	3124.9	3116.5
17.5°	2157.5	2164.9	2184.4	2234.4	2355.0	2585.0	2872.6	3144.4	3284.4	3283.5
20°	2239.1	2241.9	2253.0	2263.2	2331.8	2509.0	2829.9	3221.3	3463.4	3463.4
22.5°	2352.2	2350.4	2361.5	2352.2	2385.6	2502.5	2803.0	3289.0	3662.8	3677.7
25°	2522.0	2512.7	2509.9	2488.6	2495.1	2562.8	2832.7	3366.0	3899.4	3930.0
27.5°	2748.3	2733.5	2723.3	2674.1	2657.4	2687.1	2923.6	3458.8	4162.8	4215.7
30°	3043.3	3016.4	3001.5	2916.2	2855.9	2860.5	3060.9	3582.2	4438.3	4523.6
32.5°	3445.8	3404.1	3364.2	3224.1	3113.7	3077.6	3238.0	3752.8	4736.9	4873.3
35°	3896.6	3863.2	3820.5	3604.4	3434.7	3351.2	3477.3	3991.2	5086.6	5302.7
37.5°	4330.7	4301.9	4322.3	4031.1	3812.2	3690.7	3790.8	4311.2	5517.9	5837.0
40°	4779.6	4757.3	4760.1	4481.9	4226.8	4090.4	4171.1	4712.8	6012.3	6472.4
42.5°	5267.5	5250.8	5195.1	4948.4	4661.8	4534.7	4608.9	5176.6	6542.9	7195.8
45°	5813.8	5803.6	5751.7	5468.8	5140.4	4997.6	5097.7	5688.6	7076.2	7876.6
47.5°	6285.9	6294.3	6287.8	6049.4	5709.0	5499.4	5619.0	6222.9	7572.4	8516.7
50°	6513.2	6556.8	6620.8	6546.6	6335.1	6121.7	6144.9	6738.6	8045.5	9116.8
52.5°	6394.4	6477.0	6651.4	6770.1	6851.7	6807.2	6745.1	7250.6	8490.7	9658.4
55°	5952.0	6068.0	6357.3	6644.0	7060.4	7384.1	7465.8	7818.2	8924.8	10135.2
57.5°	5146.0	5334.3	5594.0	6173.7	6874.9	7663.3	8306.1	8605.7	9384.8	10644.4
60°	3763.9	4016.2	4339.0	5201.6	6225.6	7514.0	9021.2	9815.2	10038.7	11303.9
62.5°	2408.8	2564.6	2861.5	3674.0	4851.0	6748.8	9240.1	11327.1	11147.1	12385.4
65°	1649.2	1749.3	2021.1	2477.5	3136.0	5023.5	8653.9	12460.5	12907.6	14099.5
67.5°	1198.4	1274.4	1506.3	1906.1	2043.4	2972.8	6715.4	12408.6	14618.9	15865.5
70°	873.7	927.5	1122.3	1506.3	1572.2	1653.8	4068.2	10548.0	14581.8	16334.9
72.5°	647.4	684.5	815.3	1168.7	1272.6	1116.8	2013.7	7666.1	12530.1	14774.7
75°	468.4	496.2	592.7	894.1	1018.4	850.6	1004.5	4480.0	8740.2	10393.1
77.5°	358.0	379.4	442.4	654.8	815.3	638.1	623.3	2061.0	4144.2	4164.6
80°	287.5	301.4	335.8	461.0	625.2	477.7	406.3	832.0	1309.7	1108.4
82.5°	211.5	234.7	283.8	323.7	447.1	329.3	247.7	420.2	498.1	428.5
85°	120.6	136.3	171.6	231.9	285.7	201.3	141.9	186.4	231.9	190.1
87.5°	42.7	55.7	60.3	90.9	124.3	83.5	54.7	53.8	76.1	56.6
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°
2562.8	0°	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8	2562.8
2590.6	2.5°	2581.3	2576.7	2558.1	2533.1	2507.1	2482.1	2473.7	2456.1	2444.1	2437.6
2650.9	5°	2633.3	2618.4	2574.8	2519.2	2460.8	2397.7	2353.2	2312.4	2282.7	2254.8
2733.5	7.5°	2707.5	2681.5	2606.4	2509.0	2405.1	2300.3	2222.4	2163.0	2123.1	2097.2
2829.9	10°	2793.7	2753.9	2638.8	2493.2	2332.8	2182.5	2090.7	2039.7	2014.6	2000.7
2940.3	12.5°	2893.0	2836.4	2672.2	2457.0	2222.4	2050.8	1987.7	1972.9	1973.8	1974.7
3079.4	15°	3015.4	2936.6	2699.1	2378.2	2078.6	1949.7	1938.6	1962.7	1987.7	1999.8
3237.1	17.5°	3153.6	3042.3	2703.8	2248.4	1937.6	1884.8	1920.0	1971.9	2010.0	2026.7
3413.3	20°	3302.0	3149.9	2670.4	2064.7	1821.7	1831.9	1895.0	1961.7	2003.5	2024.8
3614.6	22.5°	3471.8	3264.9	2590.6	1871.8	1727.1	1774.4	1848.6	1913.5	1957.1	1978.4
3851.1	25°	3665.6	3393.9	2465.4	1709.5	1645.5	1709.5	1783.7	1837.5	1872.7	1892.2
4115.5	27.5°	3880.8	3528.4	2298.4	1580.5	1574.0	1642.7	1703.9	1745.6	1764.2	1779.0
4396.5	30°	4096.9	3650.8	2096.2	1483.1	1511.9	1576.8	1620.4	1639.0	1644.5	1647.3
4710.0	32.5°	4330.7	3756.5	1883.8	1402.4	1452.5	1512.8	1538.8	1547.1	1521.2	1503.5
5090.3	35°	4613.6	3869.7	1676.1	1338.4	1394.1	1446.0	1454.4	1447.0	1416.4	1380.2
5567.1	37.5°	4963.3	4010.7	1510.0	1293.0	1339.4	1373.7	1363.5	1361.6	1364.4	1321.7
6140.3	40°	5391.8	4194.3	1388.5	1257.7	1294.8	1302.3	1273.5	1289.3	1303.2	1238.3
6769.2	42.5°	5867.6	4416.0	1311.5	1233.6	1257.7	1240.1	1195.6	1213.2	1211.4	1126.0
7400.8	45°	6352.7	4657.2	1284.6	1216.0	1223.4	1188.2	1139.0	1143.7	1104.7	1027.7
8006.5	47.5°	6835.0	4915.9	1301.3	1201.2	1180.8	1140.9	1102.8	1082.4	1024.9	967.4
8587.1	50°	7308.1	5187.7	1362.6	1171.5	1122.3	1099.1	1071.3	1035.1	973.9	924.8
9136.2	52.5°	7746.8	5461.3	1431.2	1122.3	1049.0	1063.0	1045.3	1003.6	943.3	893.2
9655.7	55°	8162.3	5735.0	1458.1	1054.6	980.4	1031.4	1021.2	944.2	871.9	831.1
10199.2	57.5°	8615.0	6064.2	1428.4	968.3	924.8	995.2	956.3	871.0	829.2	798.6
10906.9	60°	9242.0	6580.9	1364.4	861.7	871.9	941.5	874.7	839.4	794.0	759.7
11968.0	62.5°	10283.6	7544.6	1261.5	755.9	809.7	861.7	835.7	800.5	754.1	720.7
13782.3	65°	11823.3	8884.0	1067.6	673.4	740.2	783.8	794.0	758.7	710.5	675.2
15372.1	67.5°	13121.9	9724.3	807.9	604.8	668.8	720.7	749.5	715.1	664.1	629.8
15744.0	70°	13050.5	9114.0	616.8	537.0	605.7	658.6	695.7	668.8	614.0	581.6
14300.8	72.5°	11591.4	7624.4	499.0	468.4	541.7	593.6	638.1	617.7	562.1	530.6
10476.5	75°	8515.7	5412.2	398.8	398.8	461.9	525.9	575.1	562.1	511.1	488.8
4398.4	77.5°	3589.6	2270.6	312.6	331.1	384.0	451.7	512.9	517.6	473.0	500.9
1163.1	80°	954.4	626.1	238.4	260.6	301.4	372.9	446.1	444.3	396.1	370.1
432.2	82.5°	363.6	246.7	169.7	183.7	218.0	285.7	353.4	364.5	316.3	273.6
169.7	85°	140.1	105.7	104.8	110.4	127.1	189.2	267.1	276.4	238.4	202.2
47.3	87.5°	36.2	31.5	39.0	37.1	58.4	101.1	153.0	158.6	145.6	84.4
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>
2562.8
2445.0
2266.0
2102.7
2004.4
1976.6
1998.8
2030.4
2030.4
1984.0
1897.7
1784.6
1653.8
1509.1
1382.0
1324.5
1240.1
1125.1
1030.5
967.4
921.0
894.1
827.4
795.8
757.8
720.7
677.1
630.7
584.3
530.6
482.3
454.5
344.1
273.6
208.7
120.6
0.0

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