

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: P847835

Luminaire Tested: **GLAN-SB4A-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11675 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

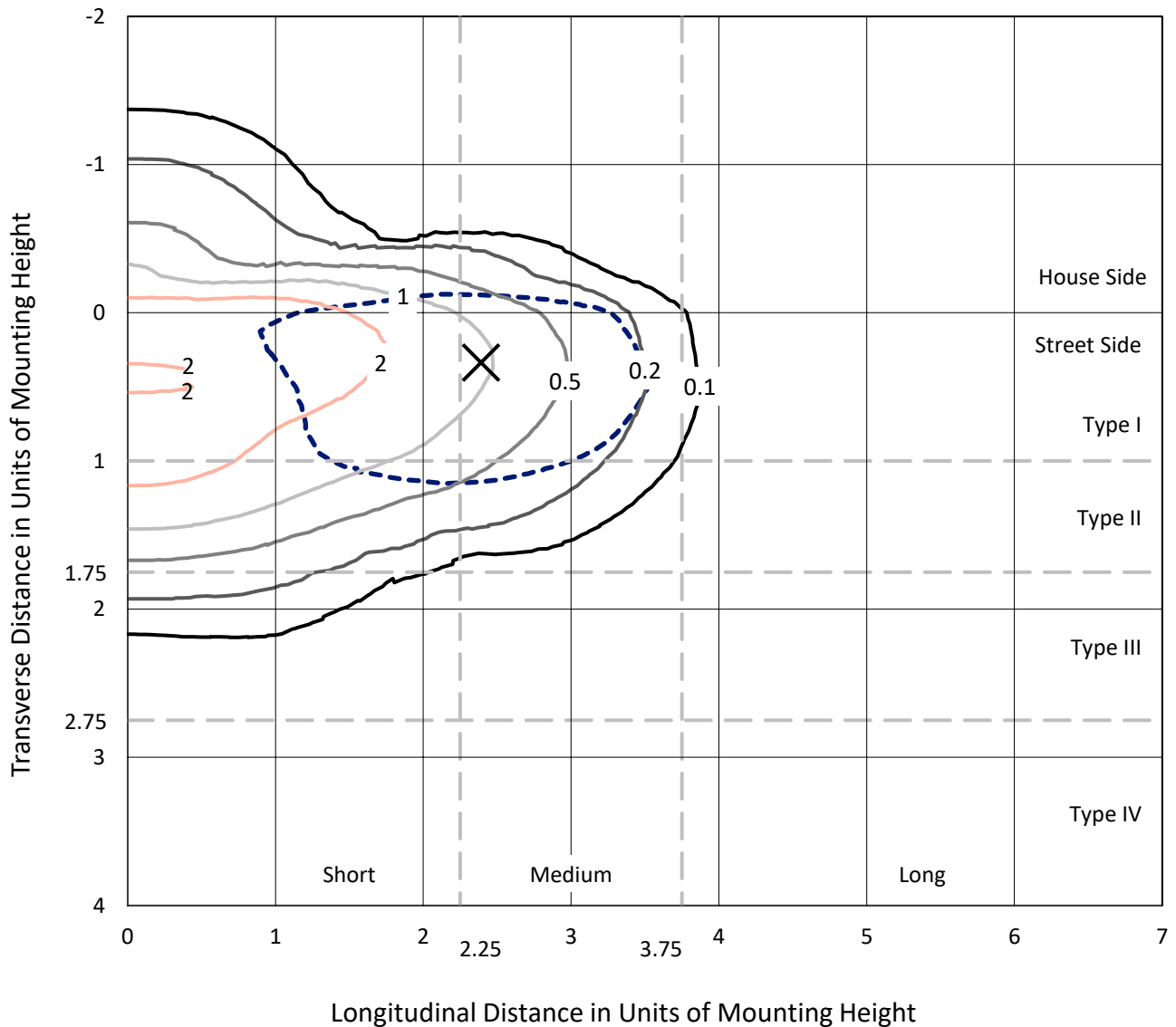
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

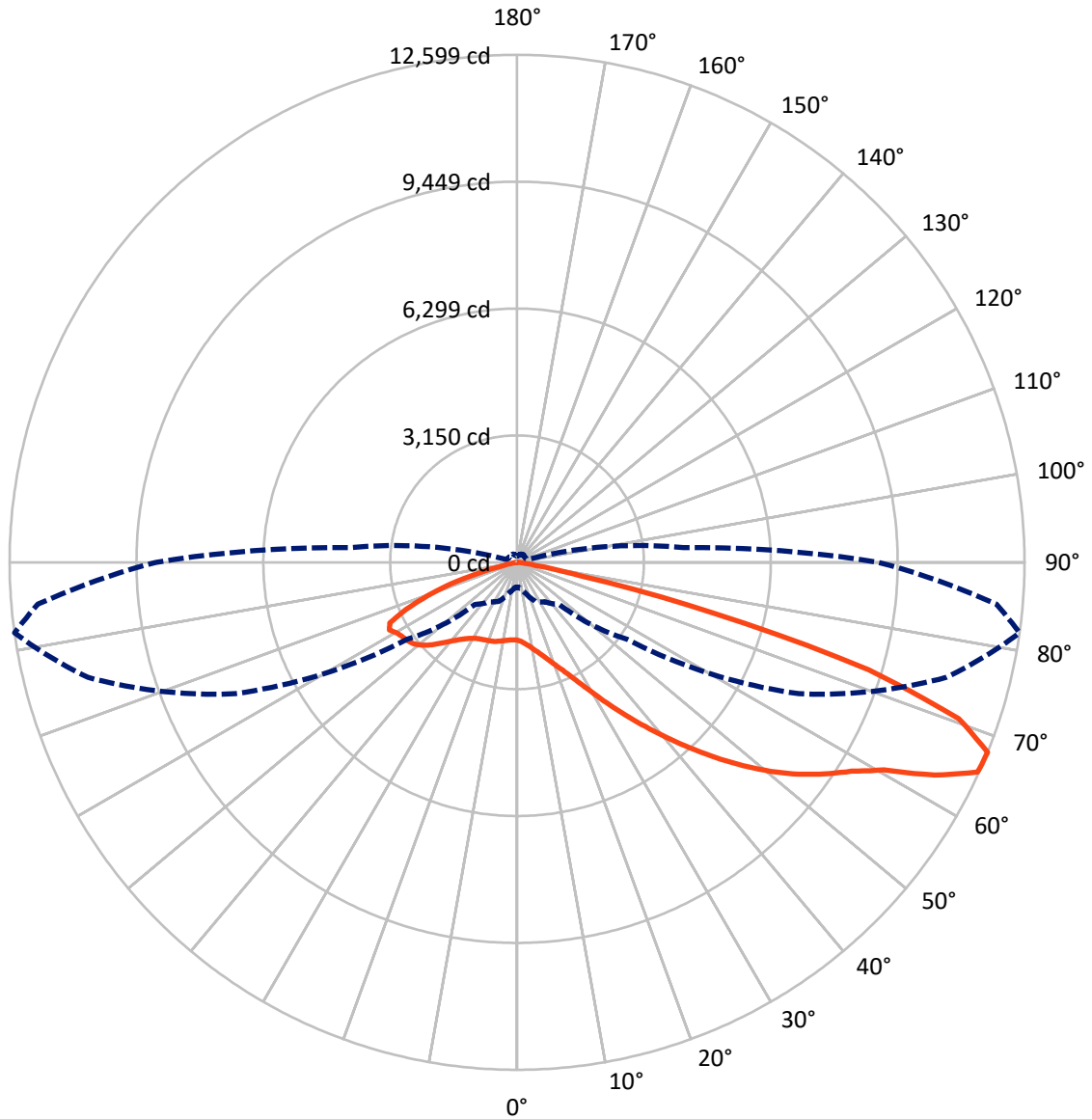
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2114.8	0.0	2114.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9560.2	0.0	9560.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	11675.0	0.0	11675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	1.5
10°-20°	447.8	3.8
20°-30°	717.2	6.1
30°-40°	1268.2	10.9
40°-50°	2222.1	19.0
50°-60°	2963.7	25.4
60°-70°	2759.0	23.6
70°-80°	1058.9	9.1
80°-90°	65.8	0.6
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°	11675.0	100.0
0°-180°	11675.0	100.0

Coefficient of Utilization

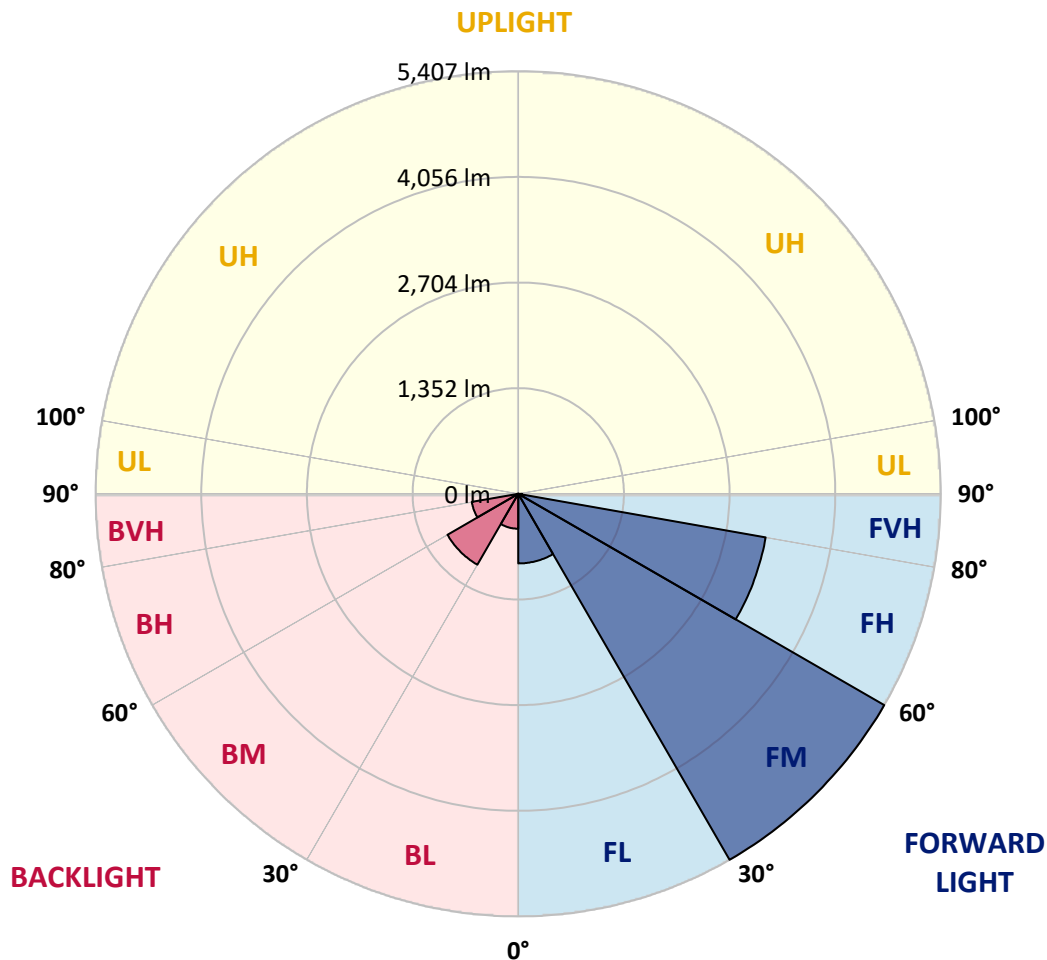


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.7	7.6			
FM (30°-60°)	5407.4	46.3			
FH (60°-80°)	3214.3	27.5			G2/5000
FVH (80°-90°)	47.8	0.4			G1/100
BL (0°-30°)	446.6	3.8	B1/500		
BM (30°-60°)	1046.6	9.0	B2/2500		
BH (60°-80°)	603.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2
2.5°	2044.3	2056.0	2049.3	2045.9	2040.1	2031.7	2024.9	2003.9	1982.1	1967.8
5°	2085.5	2097.2	2096.4	2099.7	2103.9	2106.5	2104.8	2081.3	2050.2	2025.8
7.5°	2050.2	2063.6	2074.5	2091.3	2120.8	2151.9	2167.0	2161.9	2130.0	2096.4
10°	1950.1	1964.4	1990.5	2030.0	2092.2	2159.4	2215.7	2241.8	2221.6	2184.6
12.5°	1766.9	1781.2	1832.4	1918.2	2022.4	2139.3	2246.8	2316.6	2321.7	2284.7
15°	1560.9	1575.2	1629.9	1737.5	1896.3	2083.8	2263.7	2395.6	2440.2	2408.2
17.5°	1433.2	1445.8	1487.0	1573.5	1739.1	1972.8	2257.8	2479.7	2581.4	2556.2
20°	1394.5	1405.4	1424.8	1485.3	1623.1	1857.7	2219.1	2558.7	2733.5	2719.2
22.5°	1435.7	1445.8	1451.7	1478.6	1565.1	1782.0	2170.4	2639.4	2910.1	2911.7
25°	1530.7	1540.8	1534.0	1550.9	1588.7	1758.5	2151.9	2734.4	3132.0	3150.5
27.5°	1687.0	1687.9	1671.9	1671.1	1676.9	1793.8	2171.2	2836.1	3411.9	3446.3
30°	2000.6	1987.9	1926.6	1860.2	1829.9	1899.7	2225.0	2956.3	3742.2	3803.6
32.5°	2483.9	2465.4	2352.8	2193.9	2034.2	2070.3	2321.7	3093.3	4102.0	4212.9
35°	3008.4	3003.4	2885.7	2649.5	2370.4	2313.2	2478.8	3273.2	4494.5	4671.0
37.5°	3495.9	3493.4	3426.2	3147.9	2808.3	2652.0	2731.0	3508.5	4914.8	5170.3
40°	3941.4	3949.0	3881.8	3632.9	3290.8	3086.6	3074.0	3799.4	5382.2	5714.2
42.5°	4326.4	4334.8	4266.7	4082.7	3767.4	3567.4	3495.1	4155.8	5838.6	6298.4
45°	4587.8	4639.9	4629.9	4482.8	4256.6	4049.0	4001.1	4603.0	6358.9	6917.9
47.5°	4661.8	4709.7	4785.4	4805.5	4667.7	4463.4	4520.6	5141.8	6885.1	7538.2
50°	4479.4	4523.9	4681.1	4890.4	4986.3	4923.2	5025.8	5719.2	7423.9	8156.9
52.5°	4119.6	4165.0	4363.4	4694.6	5085.5	5283.8	5532.6	6288.3	7945.9	8742.8
55°	3599.3	3647.2	3901.9	4276.8	4896.3	5432.6	5955.4	6856.5	8424.2	9269.8
57.5°	2891.6	2926.9	3191.6	3716.2	4420.6	5284.7	6267.3	7476.9	8874.7	9787.6
60°	1884.6	1915.7	2223.3	2808.3	3632.1	4790.4	6329.5	8168.7	9473.2	10460.9
62.5°	1253.3	1274.3	1456.7	1886.2	2557.9	3841.4	5965.5	8720.9	10350.8	11632.7
65°	859.9	880.9	1063.3	1362.6	1652.6	2541.0	4919.0	8647.8	11146.0	12563.2
67.5°	613.6	631.3	785.9	1068.4	1196.1	1476.0	3334.5	7713.1	11031.6	12598.5
70°	439.6	449.7	577.5	832.2	950.7	886.8	1854.3	5899.1	9659.0	11633.5
72.5°	307.6	311.0	401.0	633.8	765.8	647.2	882.6	3933.0	7305.4	9131.1
75°	208.5	212.7	269.8	464.8	614.5	494.3	467.4	2109.0	4288.6	5054.3
77.5°	127.8	129.4	174.0	317.7	459.8	376.6	300.9	893.5	1659.3	1629.0
80°	72.3	72.3	111.0	197.5	313.5	242.9	211.0	379.9	525.4	461.5
82.5°	40.3	41.2	80.7	122.7	207.6	143.7	116.0	175.7	227.0	200.9
85°	16.8	18.5	49.6	58.0	99.2	71.4	47.1	74.0	84.1	74.8
87.5°	1.7	2.5	15.1	10.9	11.8	14.3	6.7	14.3	11.8	11.8
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°
1934.2	0°	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2	1934.2
1962.7	2.5°	1946.8	1934.2	1902.2	1865.2	1816.5	1792.9	1761.0	1739.1	1720.6	1722.3
2011.5	5°	1984.6	1952.6	1881.2	1792.1	1681.1	1602.1	1518.1	1460.1	1413.0	1402.9
2078.7	7.5°	2036.7	1986.3	1861.0	1700.5	1513.0	1371.0	1244.0	1162.5	1104.5	1086.0
2160.3	10°	2103.9	2030.8	1835.0	1585.3	1315.5	1134.8	998.6	934.7	895.2	881.8
2256.1	12.5°	2182.1	2082.1	1800.5	1444.9	1112.1	938.1	851.5	819.6	806.9	802.7
2373.8	15°	2280.5	2146.0	1748.4	1278.5	939.8	817.9	780.9	776.7	778.4	776.7
2515.0	17.5°	2397.3	2215.7	1663.5	1107.0	823.8	756.5	743.1	746.4	750.6	749.8
2673.0	20°	2525.1	2284.7	1555.1	954.9	744.7	712.8	705.2	708.6	712.0	710.3
2855.4	22.5°	2670.5	2358.6	1434.9	836.4	691.8	672.5	664.1	664.9	664.9	661.5
3086.6	25°	2844.5	2440.2	1308.8	752.3	651.4	636.3	626.2	622.9	617.8	607.7
3367.3	27.5°	3052.1	2526.8	1187.7	693.5	619.5	605.2	593.4	585.0	572.4	555.6
3704.4	30°	3285.8	2631.8	1085.2	656.5	594.3	580.0	566.5	553.9	535.4	514.4
4091.9	32.5°	3560.7	2744.5	1010.4	632.1	571.6	556.5	540.5	525.4	505.2	484.2
4527.3	35°	3888.5	2880.6	966.7	615.3	553.9	533.8	516.1	499.3	484.2	465.7
5000.6	37.5°	4244.0	3025.2	953.2	606.9	542.2	511.1	490.9	479.1	477.4	466.5
5512.5	40°	4633.2	3196.7	963.3	601.8	529.6	489.2	467.4	464.8	469.0	449.7
6059.7	42.5°	5045.1	3400.1	980.1	596.0	511.9	467.4	446.3	446.3	443.0	416.1
6638.0	45°	5490.6	3634.6	996.9	581.7	490.9	445.5	429.5	423.6	409.4	383.3
7219.7	47.5°	5939.5	3873.3	1009.5	555.6	465.7	427.0	412.7	399.3	378.3	354.7
7790.4	50°	6365.6	4087.7	996.1	517.0	437.1	409.4	394.2	375.7	353.0	337.1
8330.9	52.5°	6746.4	4273.5	938.9	471.6	406.8	390.9	377.4	358.1	339.6	322.8
8818.4	55°	7077.6	4423.9	838.0	428.7	379.9	374.9	361.4	337.1	311.9	297.6
9301.8	57.5°	7395.3	4538.2	712.0	393.4	355.6	357.2	337.1	315.2	291.7	276.5
9953.2	60°	7818.1	4691.2	584.2	360.6	329.5	334.5	312.7	296.7	267.3	248.0
11070.3	62.5°	8494.0	4929.1	464.0	320.3	299.2	300.9	291.7	272.3	237.0	214.3
11898.3	65°	9030.2	4841.7	365.6	276.5	264.8	267.3	267.3	246.3	208.5	182.4
11942.8	67.5°	8969.7	4145.7	291.7	233.7	232.0	233.7	239.6	221.9	184.9	163.9
11033.3	70°	8262.8	3297.6	233.7	194.2	201.7	197.5	214.3	202.6	166.4	145.4
8553.6	72.5°	6742.2	2375.5	178.2	160.5	154.7	161.4	193.3	182.4	138.7	115.2
4530.7	75°	3939.8	1267.6	132.8	126.9	111.8	134.5	171.5	155.5	105.9	84.9
1388.6	77.5°	1282.7	442.1	97.5	93.3	83.2	108.4	146.3	131.1	86.6	67.2
406.8	80°	343.8	133.7	66.4	61.4	53.8	80.7	116.0	104.2	62.2	43.7
174.8	82.5°	137.9	56.3	38.7	34.5	29.4	55.5	91.6	84.1	46.2	27.7
54.6	85°	44.6	18.5	14.3	10.9	13.4	34.5	54.6	57.2	32.8	14.3
8.4	87.5°	5.9	2.5	2.5	3.4	2.5	5.9	16.8	16.0	9.2	1.7
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°
1934.2
1705.5
1380.2
1067.5
871.7
800.2
775.8
748.1
709.4
659.8
606.1
553.9
512.7
485.0
464.0
465.7
450.5
416.1
382.5
353.9
334.5
321.1
295.9
274.9
245.4
212.7
179.9
160.5
142.9
112.6
82.4
64.7
42.9
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