

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: P852393

Luminaire Tested: **GLAN-SB3C-730-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21453 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

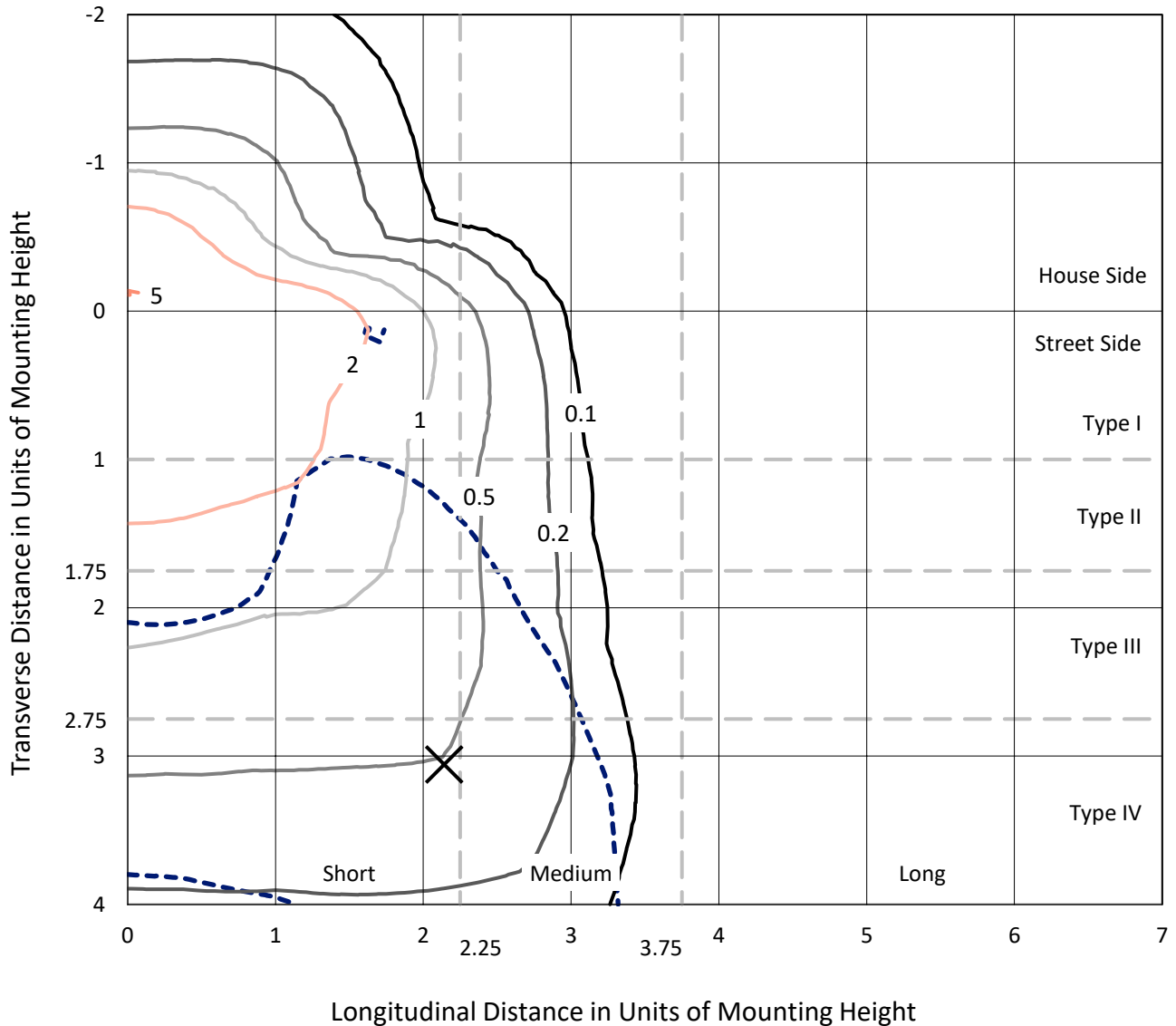
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

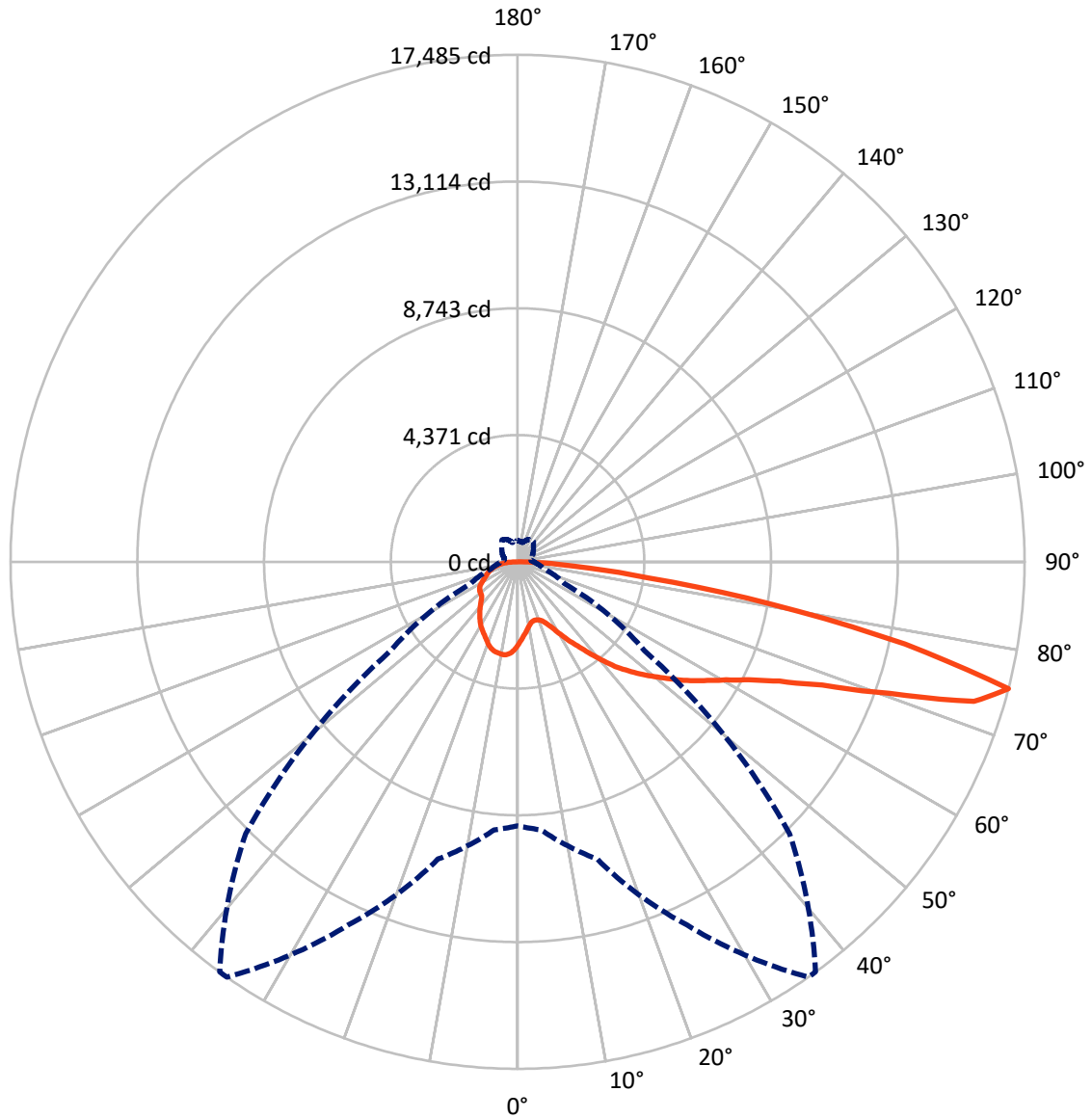
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5105.3	0.0	5105.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	16347.7	0.0	16347.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	21453.0	0.0	21453.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.7	1.3
10°-20°	780.7	3.6
20°-30°	1311.0	6.1
30°-40°	2037.5	9.5
40°-50°	3024.2	14.1
50°-60°	4175.1	19.5
60°-70°	5065.4	23.6
70°-80°	4186.2	19.5
80°-90°	602.1	2.8
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°	21453.0	100.0
0°-180°	21453.0	100.0

**Coefficient of Utilization**



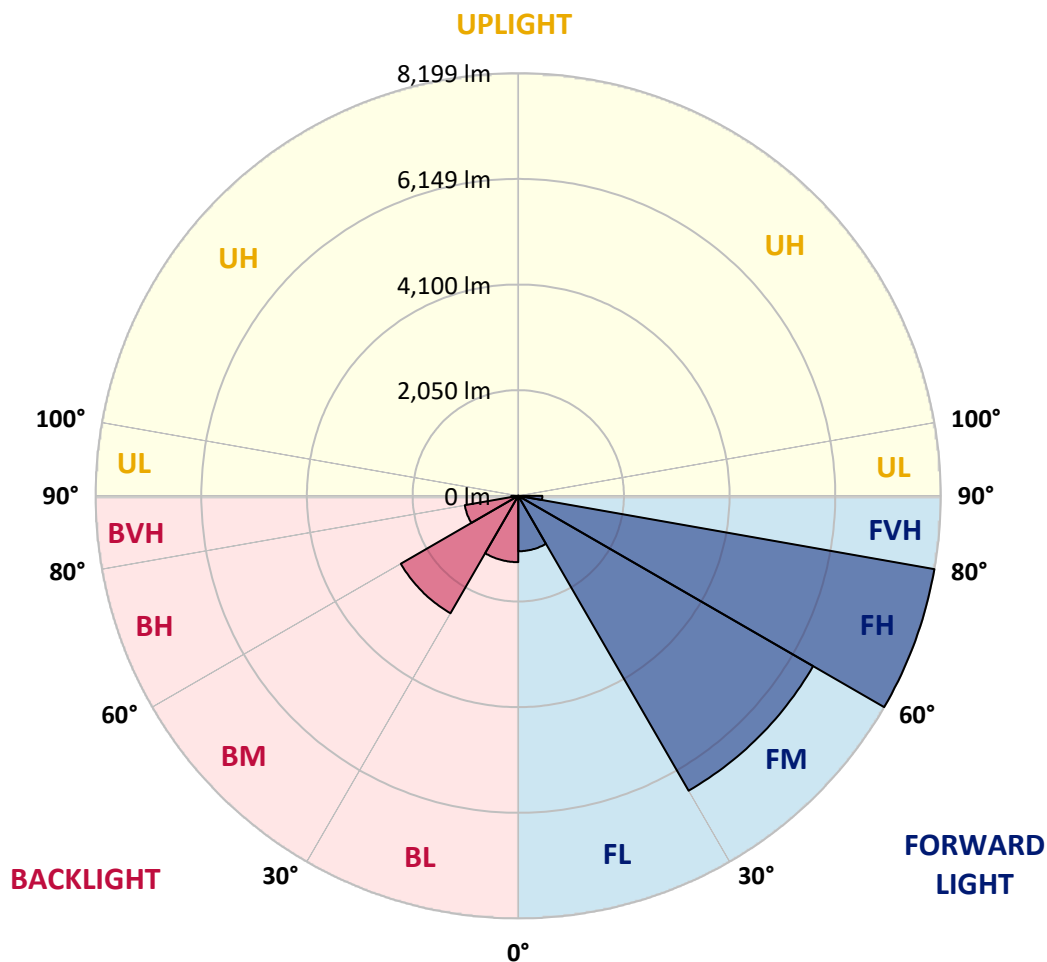
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.8	5.0			
FM (30°-60°)	6606.4	30.8			
FH (60°-80°)	8199.0	38.2			G4/12000
FVH (80°-90°)	466.5	2.2			G3/500
BL (0°-30°)	1286.6	6.0	B3/2500		
BM (30°-60°)	2630.5	12.3	B3/5000		
BH (60°-80°)	1052.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	135.6	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8
2.5°	2636.1	2652.3	2659.3	2655.8	2673.2	2670.9	2695.2	2725.4	2767.1	2807.7
5°	2433.1	2450.5	2465.6	2479.5	2513.2	2523.6	2561.9	2619.9	2696.4	2774.1
7.5°	2244.1	2259.2	2282.4	2307.9	2364.7	2375.1	2438.9	2529.4	2636.1	2749.7
10°	2089.9	2104.9	2129.3	2158.3	2229.0	2241.8	2323.0	2443.6	2582.7	2726.5
12.5°	2023.7	2028.4	2042.3	2071.3	2132.8	2140.9	2230.2	2368.2	2530.6	2709.2
15°	2020.3	2029.5	2030.7	2045.8	2096.8	2100.3	2182.6	2319.5	2498.1	2705.7
17.5°	2055.1	2062.0	2051.6	2060.9	2103.8	2109.6	2174.5	2296.3	2487.6	2720.7
20°	2147.8	2153.6	2122.3	2109.6	2140.9	2145.5	2209.3	2311.4	2498.1	2752.1
22.5°	2345.0	2348.5	2271.9	2219.7	2222.1	2224.4	2280.0	2372.8	2538.7	2808.9
25°	2652.3	2650.0	2528.2	2427.3	2369.3	2356.6	2393.7	2472.6	2607.1	2884.3
27.5°	3011.8	2994.4	2872.7	2721.9	2595.5	2576.9	2568.8	2602.5	2704.5	2984.0
30°	3417.8	3401.5	3270.5	3073.3	2898.2	2868.0	2791.5	2774.1	2849.5	3119.7
32.5°	3863.1	3852.7	3696.1	3457.2	3222.9	3188.1	3059.4	3013.0	3072.1	3325.0
35°	4236.5	4227.2	4097.4	3851.5	3565.0	3522.1	3391.1	3338.9	3369.0	3588.2
37.5°	4574.0	4569.4	4458.0	4264.4	3968.6	3916.4	3769.2	3751.8	3746.0	3935.0
40°	4887.1	4875.5	4759.6	4657.5	4438.3	4390.8	4260.9	4245.8	4201.7	4361.8
42.5°	5233.9	5203.8	5035.6	4988.0	4928.9	4889.5	4811.8	4814.1	4716.7	4843.1
45°	5516.9	5499.5	5326.7	5298.8	5362.6	5346.4	5413.7	5431.1	5242.0	5347.6
47.5°	5820.7	5804.5	5658.4	5638.7	5811.5	5816.1	6053.8	6059.6	5754.6	5871.8
50°	6195.3	6172.1	6027.2	6051.5	6245.2	6262.6	6697.5	6658.1	6226.6	6404.1
52.5°	6442.4	6456.3	6425.0	6464.4	6728.8	6745.0	7330.7	7229.8	6694.0	6929.4
55°	6624.4	6652.3	6749.7	6840.1	7239.1	7255.3	7928.0	7773.7	7081.4	7416.5
57.5°	6858.7	6819.3	7001.3	7177.6	7723.9	7766.8	8509.0	8297.9	7424.7	7836.4
60°	7195.0	7167.2	7308.7	7569.6	8266.6	8335.0	9123.7	8769.9	7676.3	8169.2
62.5°	7876.9	7807.4	7829.4	8060.2	8950.9	9041.3	9817.2	9181.7	7801.6	8299.1
65°	8896.4	8776.9	8665.6	8825.6	9914.6	10003.9	10600.0	9505.2	7755.2	8047.4
67.5°	10180.2	10061.9	9925.0	10075.8	11334.1	11404.9	11566.1	9687.3	7389.9	7077.9
70°	11239.0	11195.0	11358.5	11978.9	13601.4	13603.7	12804.7	9536.5	6389.0	5018.2
72.5°	11098.7	11072.0	11933.7	13851.9	16459.0	16397.6	13977.2	8395.4	4303.8	2263.8
75°	9105.1	9277.9	10612.8	13818.3	17485.4	17477.3	13259.3	5337.1	1780.2	938.2
77.5°	4882.5	5156.2	6890.0	10202.2	13650.1	13855.4	9322.0	1867.2	764.3	600.7
80°	1592.3	1831.2	2746.3	5194.5	8869.7	8831.4	3995.3	733.0	523.0	425.6
82.5°	676.1	704.0	1227.0	2452.8	4552.0	4481.2	1272.2	421.0	367.6	291.1
85°	264.4	295.7	541.6	1134.2	1971.6	1928.6	459.3	208.8	235.4	190.2
87.5°	87.0	105.5	193.7	388.5	613.5	591.5	112.5	71.9	102.1	87.0
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°
2858.8	0°	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8	2858.8
2866.9	2.5°	2883.1	2901.7	2923.7	2956.2	2984.0	3007.2	3031.6	3046.6	3052.4	3069.8
2871.5	5°	2904.0	2944.6	2999.1	3052.4	3104.6	3135.9	3163.8	3177.7	3190.4	3199.7
2884.3	7.5°	2938.8	2991.0	3076.8	3146.4	3190.4	3216.0	3234.5	3229.9	3234.5	3236.8
2898.2	10°	2968.9	3042.0	3144.1	3210.2	3243.8	3245.0	3240.3	3224.1	3216.0	3217.1
2919.1	12.5°	3004.9	3086.1	3196.2	3251.9	3261.2	3235.7	3216.0	3188.1	3177.7	3173.0
2950.4	15°	3053.6	3146.4	3253.1	3273.9	3250.7	3218.3	3184.6	3139.4	3116.2	3097.7
3003.7	17.5°	3112.7	3214.8	3297.1	3282.1	3232.2	3178.8	3124.3	3055.9	3008.4	2988.6
3076.8	20°	3195.1	3286.7	3330.8	3264.7	3189.3	3108.1	3015.3	2931.8	2887.8	2868.0
3169.6	22.5°	3294.8	3383.0	3363.2	3234.5	3127.8	2997.9	2882.0	2820.5	2798.5	2784.5
3289.0	25°	3414.3	3489.7	3386.4	3190.4	3026.9	2851.8	2762.5	2742.8	2732.3	2721.9
3435.1	27.5°	3569.7	3610.3	3403.8	3125.5	2869.2	2696.4	2663.9	2667.4	2663.9	2646.5
3638.1	30°	3775.0	3766.8	3420.1	3020.0	2688.3	2556.1	2558.4	2573.5	2575.8	2564.2
3921.1	32.5°	4045.2	3962.8	3428.2	2883.1	2515.5	2433.1	2435.5	2451.7	2463.3	2443.6
4291.0	35°	4372.2	4191.3	3415.4	2711.5	2382.1	2316.0	2298.6	2303.2	2306.7	2288.2
4739.9	37.5°	4753.8	4447.6	3358.6	2521.3	2271.9	2201.2	2164.1	2132.8	2114.2	2096.8
5247.8	40°	5172.4	4727.1	3254.2	2335.7	2149.0	2079.4	2023.7	1964.6	1902.0	1878.8
5785.9	42.5°	5610.8	5014.7	3127.8	2158.3	2007.5	1950.7	1891.5	1805.7	1711.8	1664.2
6344.9	45°	6065.4	5309.3	3003.7	1983.2	1862.5	1838.2	1769.8	1666.5	1564.5	1504.2
6905.1	47.5°	6510.8	5587.6	2821.6	1806.9	1726.9	1753.5	1700.2	1605.1	1491.4	1396.3
7460.6	50°	6936.4	5848.6	2523.6	1628.3	1616.7	1728.0	1677.0	1540.1	1410.2	1288.5
8005.7	52.5°	7358.5	6059.6	2142.0	1465.9	1557.5	1721.1	1646.8	1496.1	1337.2	1209.6
8518.3	55°	7716.9	6168.7	1774.4	1326.7	1471.7	1661.9	1610.9	1443.9	1234.0	1098.3
8869.7	57.5°	7921.0	6080.5	1468.2	1189.9	1353.4	1564.5	1549.4	1332.5	1111.0	1006.7
8938.1	60°	7832.9	5723.3	1217.7	1070.4	1240.9	1459.0	1442.7	1222.4	1017.1	918.5
8571.6	62.5°	7346.9	5042.5	1019.4	966.1	1138.9	1351.1	1336.0	1137.7	945.2	850.1
7598.6	65°	6368.1	4102.0	865.2	879.1	1035.6	1221.2	1243.2	1067.0	888.4	795.6
5878.7	67.5°	4857.0	2971.3	744.6	803.7	934.7	1093.6	1157.4	1015.9	840.8	752.7
3401.5	70°	2768.3	1687.4	642.5	730.6	845.4	975.3	1091.3	975.3	789.8	716.7
1274.6	72.5°	1049.6	774.7	555.5	657.6	759.6	875.6	1018.3	911.6	730.6	676.1
658.7	75°	560.2	472.0	467.4	571.8	661.1	778.2	926.6	848.9	686.6	714.4
455.8	77.5°	381.6	334.0	390.8	489.4	553.2	670.3	829.2	753.8	594.9	592.6
315.4	80°	264.4	236.6	317.8	394.3	427.9	563.6	723.7	647.1	484.8	452.3
194.8	82.5°	158.9	154.2	237.7	294.6	302.7	434.9	599.6	542.8	396.6	345.6
116.0	85°	87.0	91.6	151.9	172.8	176.3	303.9	469.7	419.8	305.0	256.3
41.8	87.5°	24.4	31.3	55.7	68.4	84.7	157.7	279.5	249.3	153.1	106.7
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°
2858.8
3068.7
3202.0
3240.3
3219.4
3170.7
3103.5
2989.8
2865.7
2786.9
2721.9
2650.0
2570.0
2452.8
2300.9
2108.4
1889.2
1670.0
1499.5
1385.9
1278.0
1195.7
1086.7
992.7
904.6
835.0
780.5
738.8
707.4
666.9
737.6
546.2
432.6
347.9
258.6
106.7
0.0

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