

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: P847396

Luminaire Tested: **GLAN-SB3C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847396
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-SB3C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17410 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

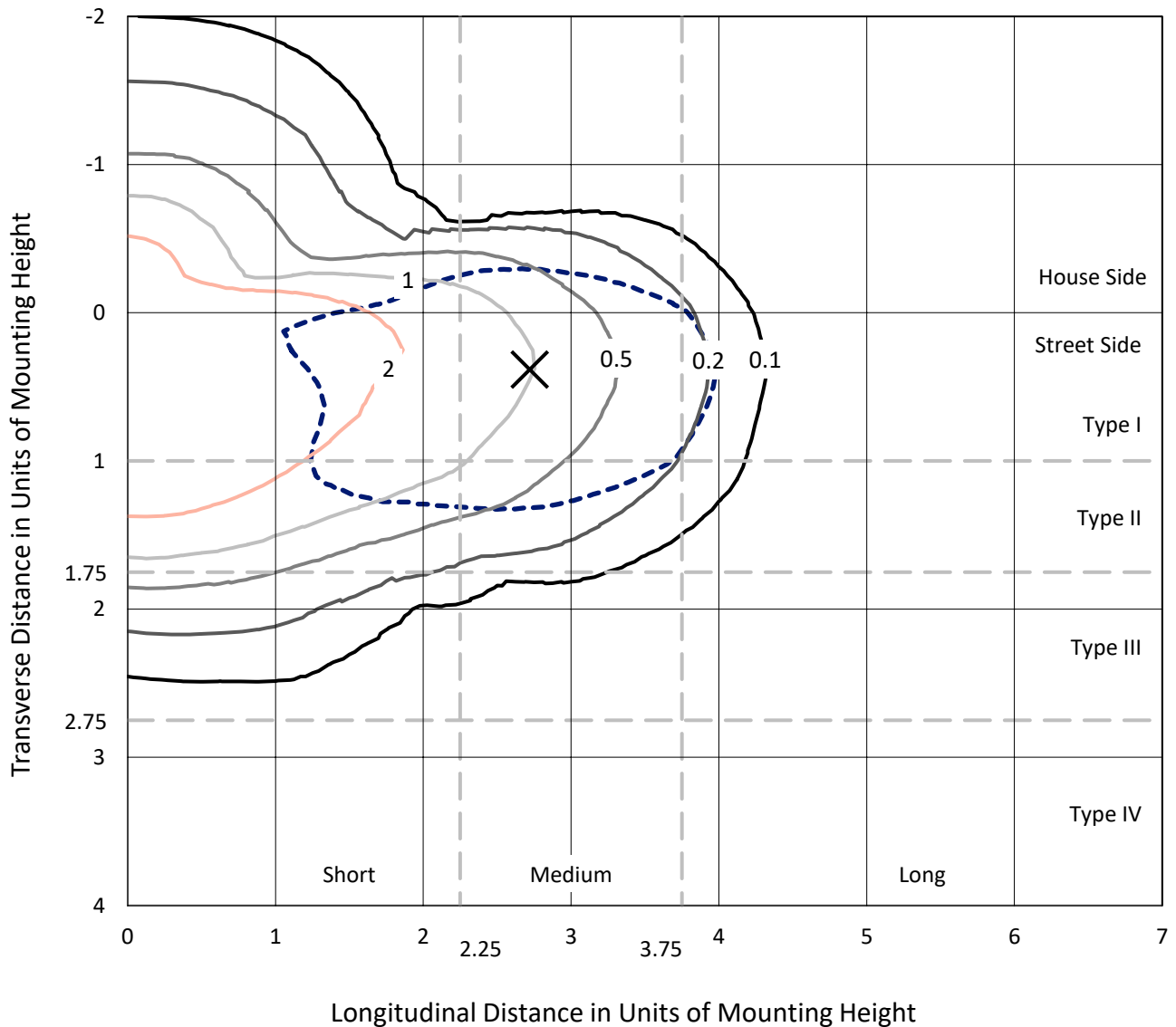
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

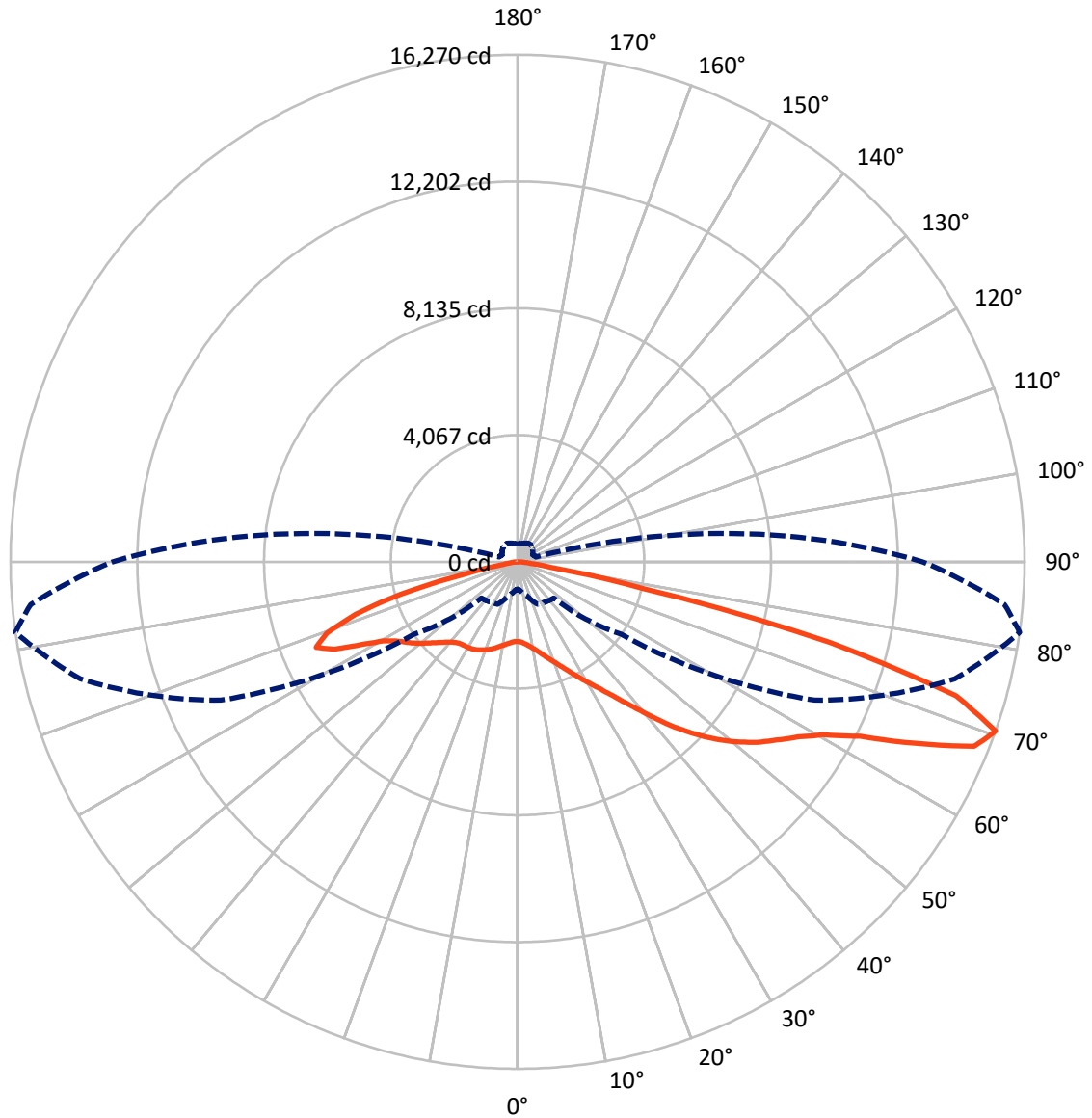
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	4292.0	0.0	4292.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13118.0	0.0	13118.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	17410.0	0.0	17410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	1.4
10°-20°	692.4	4.0
20°-30°	1158.3	6.7
30°-40°	1809.6	10.4
40°-50°	2882.0	16.6
50°-60°	4010.7	23.0
60°-70°	4195.4	24.1
70°-80°	2192.7	12.6
80°-90°	227.7	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°	17410.0	100.0
0°-180°	17410.0	100.0

Coefficient of Utilization

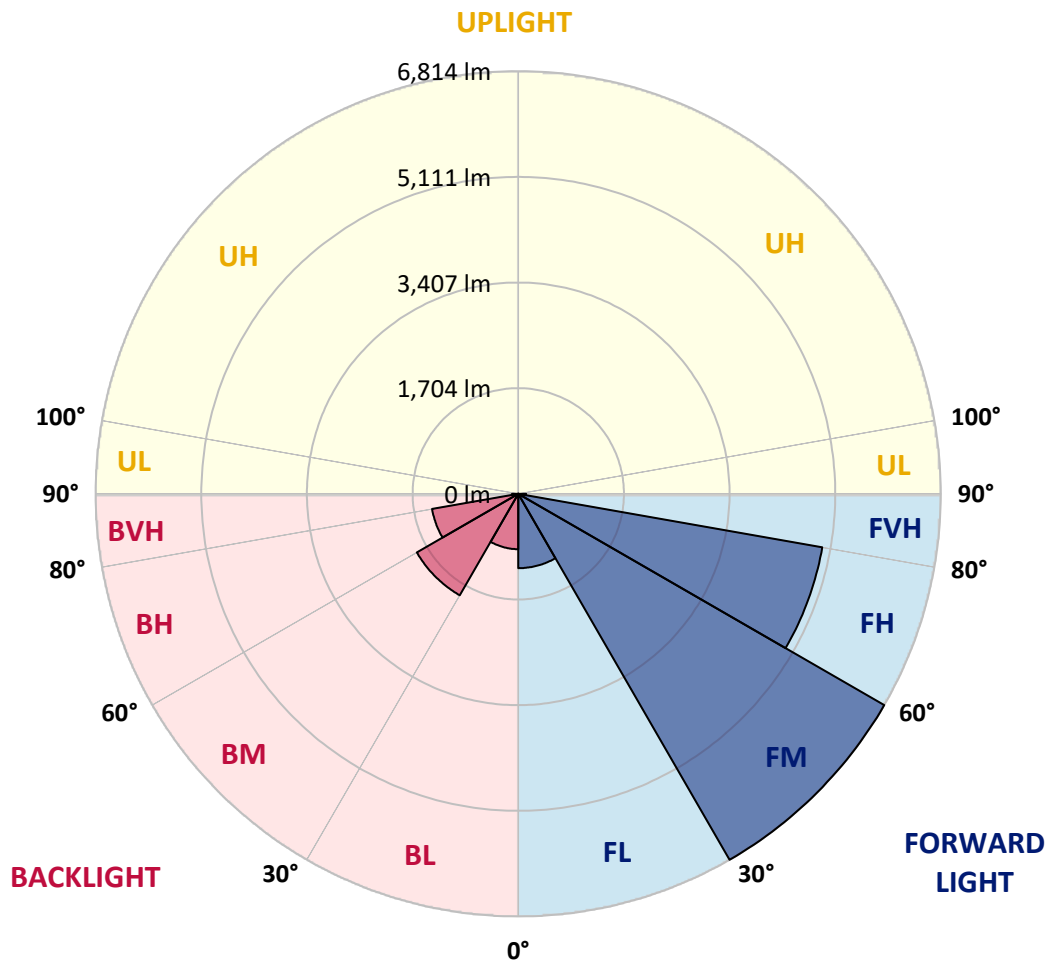


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.9	6.9			
FM (30°-60°)	6814.1	39.1			
FH (60°-80°)	4977.6	28.6			G2/5000
FVH (80°-90°)	127.5	0.7			G2/225
BL (0°-30°)	892.9	5.1	B2/1000		
BM (30°-60°)	1888.3	10.8	B2/2500		
BH (60°-80°)	1410.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	100.2	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°	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5
2.5°	2613.5	2628.3	2623.7	2619.0	2619.0	2612.6	2611.6	2602.4	2595.0	2583.0
5°	2646.8	2662.5	2660.6	2664.3	2676.3	2679.1	2681.9	2676.3	2661.5	2646.8
7.5°	2617.2	2634.7	2640.3	2662.5	2699.4	2732.7	2757.6	2767.8	2753.9	2732.7
10°	2517.4	2536.8	2556.2	2608.9	2674.5	2753.0	2819.5	2859.2	2856.5	2836.1
12.5°	2315.1	2335.4	2377.0	2479.5	2599.6	2738.2	2862.0	2945.1	2973.8	2959.0
15°	2153.4	2171.0	2202.4	2307.7	2463.8	2674.5	2877.7	3039.4	3112.4	3104.0
17.5°	2148.8	2156.2	2175.6	2225.5	2345.6	2574.7	2861.1	3131.8	3271.3	3270.3
20°	2230.1	2232.9	2244.0	2254.1	2322.5	2498.9	2818.6	3208.4	3449.6	3449.6
22.5°	2342.8	2341.0	2352.1	2342.8	2376.1	2492.5	2791.8	3275.9	3648.2	3663.0
25°	2511.9	2502.6	2499.9	2478.6	2485.1	2552.5	2821.4	3352.6	3883.8	3914.2
27.5°	2737.3	2722.5	2712.3	2663.4	2646.8	2676.3	2911.9	3444.9	4146.1	4198.8
30°	3031.1	3004.3	2989.5	2904.5	2844.5	2849.1	3048.6	3567.8	4420.5	4505.5
32.5°	3432.0	3390.4	3350.7	3211.2	3101.3	3065.2	3225.1	3737.8	4718.0	4853.8
35°	3881.0	3847.7	3805.2	3590.0	3420.9	3337.8	3463.4	3975.2	5066.2	5281.5
37.5°	4313.3	4284.7	4305.0	4014.9	3796.9	3675.9	3775.7	4293.9	5495.8	5813.6
40°	4760.5	4738.3	4741.1	4463.9	4209.9	4074.1	4154.4	4693.9	5988.2	6446.4
42.5°	5246.4	5229.8	5174.3	4928.6	4643.1	4516.6	4590.5	5155.9	6516.6	7167.0
45°	5790.5	5780.4	5728.6	5446.9	5119.8	4977.6	5077.3	5665.8	7047.8	7845.1
47.5°	6260.8	6269.1	6262.6	6025.2	5686.1	5477.3	5596.5	6197.9	7542.1	8482.5
50°	6487.1	6530.5	6594.3	6520.3	6309.7	6097.2	6120.3	6711.6	8013.2	9080.3
52.5°	6368.8	6451.1	6624.7	6743.0	6824.3	6779.9	6718.0	7221.5	8456.7	9619.8
55°	5928.2	6043.7	6331.9	6617.3	7032.1	7354.6	7435.9	7786.9	8889.0	10094.6
57.5°	5125.4	5312.9	5571.6	6149.0	6847.4	7632.6	8272.8	8571.2	9347.2	10601.8
60°	3748.9	4000.2	4321.6	5180.8	6200.7	7483.9	8985.1	9775.9	9998.5	11258.6
62.5°	2399.2	2554.4	2850.0	3659.3	4831.6	6721.7	9203.1	11281.7	11102.5	12335.8
65°	1642.6	1742.3	2013.0	2467.5	3123.4	5003.4	8619.3	12410.6	12855.9	14043.0
67.5°	1193.6	1269.3	1500.3	1898.5	2035.2	2960.9	6688.5	12358.9	14560.4	15802.0
70°	870.2	923.8	1117.8	1500.3	1565.9	1647.2	4051.9	10505.7	14523.4	16269.5
72.5°	644.8	681.8	812.0	1164.0	1267.5	1112.3	2005.6	7635.4	12479.9	14715.6
75°	466.5	494.2	590.3	890.6	1014.4	847.1	1000.5	4462.1	8705.2	10351.4
77.5°	356.6	377.8	440.7	652.2	812.0	635.6	620.8	2052.7	4127.6	4148.0
80°	286.4	300.2	334.4	459.1	622.7	475.8	404.6	828.7	1304.4	1104.0
82.5°	210.6	233.7	282.7	322.4	445.3	328.0	246.7	418.5	496.1	426.8
85°	120.1	135.8	170.9	231.0	284.5	200.5	141.3	185.7	231.0	189.4
87.5°	42.5	55.4	60.0	90.5	123.8	83.1	54.5	53.6	75.8	56.4
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°
2552.5	0°	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5	2552.5
2580.2	2.5°	2571.0	2566.4	2547.9	2523.0	2497.1	2472.2	2463.8	2446.3	2434.3	2427.8
2640.3	5°	2622.7	2608.0	2564.5	2509.1	2450.9	2388.1	2343.7	2303.1	2273.5	2245.8
2722.5	7.5°	2696.6	2670.8	2595.9	2498.9	2395.5	2291.1	2213.5	2154.4	2114.6	2088.8
2818.6	10°	2782.6	2742.8	2628.3	2483.2	2323.4	2173.8	2082.3	2031.5	2006.5	1992.7
2928.5	12.5°	2881.4	2825.1	2661.5	2447.2	2213.5	2042.6	1979.8	1965.0	1965.9	1966.8
3067.1	15°	3003.3	2924.8	2688.3	2368.7	2070.3	1941.9	1930.8	1954.8	1979.8	1991.8
3224.1	17.5°	3141.0	3030.1	2692.9	2239.3	1929.9	1877.2	1912.3	1964.0	2001.9	2018.6
3399.7	20°	3288.8	3137.3	2659.7	2056.4	1814.4	1824.6	1887.4	1953.9	1995.5	2016.7
3600.1	22.5°	3457.9	3251.9	2580.2	1864.3	1720.2	1767.3	1841.2	1905.8	1949.3	1970.5
3835.7	25°	3650.9	3380.3	2455.5	1702.6	1638.9	1702.6	1776.5	1830.1	1865.2	1884.6
4099.0	27.5°	3865.3	3514.2	2289.2	1574.2	1567.7	1636.1	1697.1	1738.6	1757.1	1771.9
4378.9	30°	4080.5	3636.2	2087.8	1477.2	1505.8	1570.5	1613.9	1632.4	1637.9	1640.7
4691.2	32.5°	4313.3	3741.5	1876.3	1396.8	1446.7	1506.8	1532.6	1540.9	1515.1	1497.5
5069.9	35°	4595.1	3854.2	1669.3	1333.1	1388.5	1440.2	1448.6	1441.2	1410.7	1374.6
5544.8	37.5°	4943.4	3994.6	1504.0	1287.8	1334.0	1368.2	1358.0	1356.2	1358.9	1316.4
6115.7	40°	5370.2	4177.5	1383.0	1252.7	1289.7	1297.0	1268.4	1284.1	1298.0	1233.3
6742.1	42.5°	5844.1	4398.3	1306.3	1228.7	1252.7	1235.2	1190.8	1208.4	1206.5	1121.5
7371.2	45°	6327.3	4638.5	1279.5	1211.1	1218.5	1183.4	1134.5	1139.1	1100.3	1023.6
7974.4	47.5°	6807.7	4896.3	1296.1	1196.4	1176.0	1136.3	1098.4	1078.1	1020.8	963.5
8552.8	50°	7278.8	5166.9	1357.1	1166.8	1117.8	1094.7	1067.0	1031.0	970.0	921.1
9099.7	52.5°	7715.8	5439.5	1425.5	1117.8	1044.8	1058.7	1041.1	999.6	939.5	889.6
9617.0	55°	8129.6	5712.0	1452.3	1050.4	976.5	1027.3	1017.1	940.5	868.4	827.7
10158.4	57.5°	8580.5	6040.0	1422.7	964.5	921.1	991.3	952.5	867.5	825.9	795.4
10863.2	60°	9205.0	6554.5	1358.9	858.2	868.4	937.7	871.2	836.1	790.8	756.6
11920.1	62.5°	10242.4	7514.4	1256.4	752.9	806.5	858.2	832.4	797.3	751.1	717.8
13727.1	65°	11776.0	8848.4	1063.3	670.7	737.2	780.6	790.8	755.7	707.6	672.5
15310.5	67.5°	13069.3	9685.4	804.7	602.3	666.1	717.8	746.4	712.3	661.5	627.3
15681.0	70°	12998.2	9077.5	614.3	534.9	603.3	655.9	692.9	666.1	611.6	579.2
14243.5	72.5°	11545.0	7593.8	497.0	466.5	539.5	591.2	635.6	615.3	559.8	528.4
10434.6	75°	8481.6	5390.5	397.2	397.2	460.1	523.8	572.8	559.8	509.0	486.9
4380.8	77.5°	3575.2	2261.5	311.3	329.8	382.5	449.9	510.9	515.5	471.1	498.9
1158.5	80°	950.6	623.6	237.4	259.6	300.2	371.4	444.4	442.5	394.5	368.6
430.5	82.5°	362.1	245.7	169.1	182.9	217.1	284.5	352.0	363.1	315.0	272.5
169.1	85°	139.5	105.3	104.4	109.9	126.6	188.5	266.1	275.3	237.4	201.4
47.1	87.5°	36.0	31.4	38.8	37.0	58.2	100.7	152.4	158.0	145.0	84.1
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°
2552.5
2435.2
2256.9
2094.3
1996.4
1968.7
1990.8
2022.2
2022.2
1976.1
1890.1
1777.4
1647.2
1503.1
1376.5
1319.2
1235.2
1120.6
1026.4
963.5
917.4
890.6
824.1
792.6
754.8
717.8
674.4
628.2
582.0
528.4
480.4
452.7
342.7
272.5
207.9
120.1
0.0

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