

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: P852491

Luminaire Tested: **GLAN-SB4B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852491
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-SB4B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17442 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

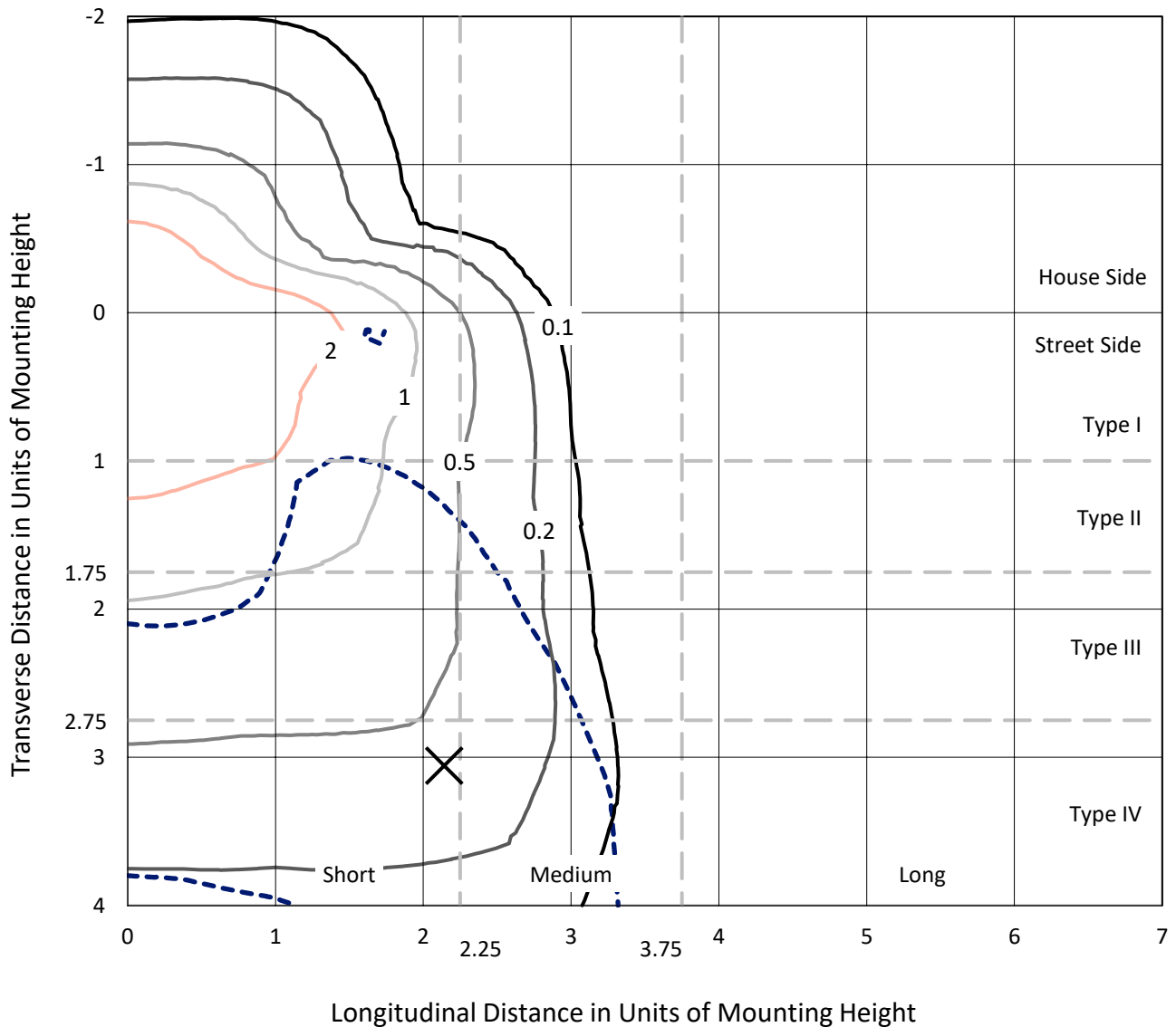
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

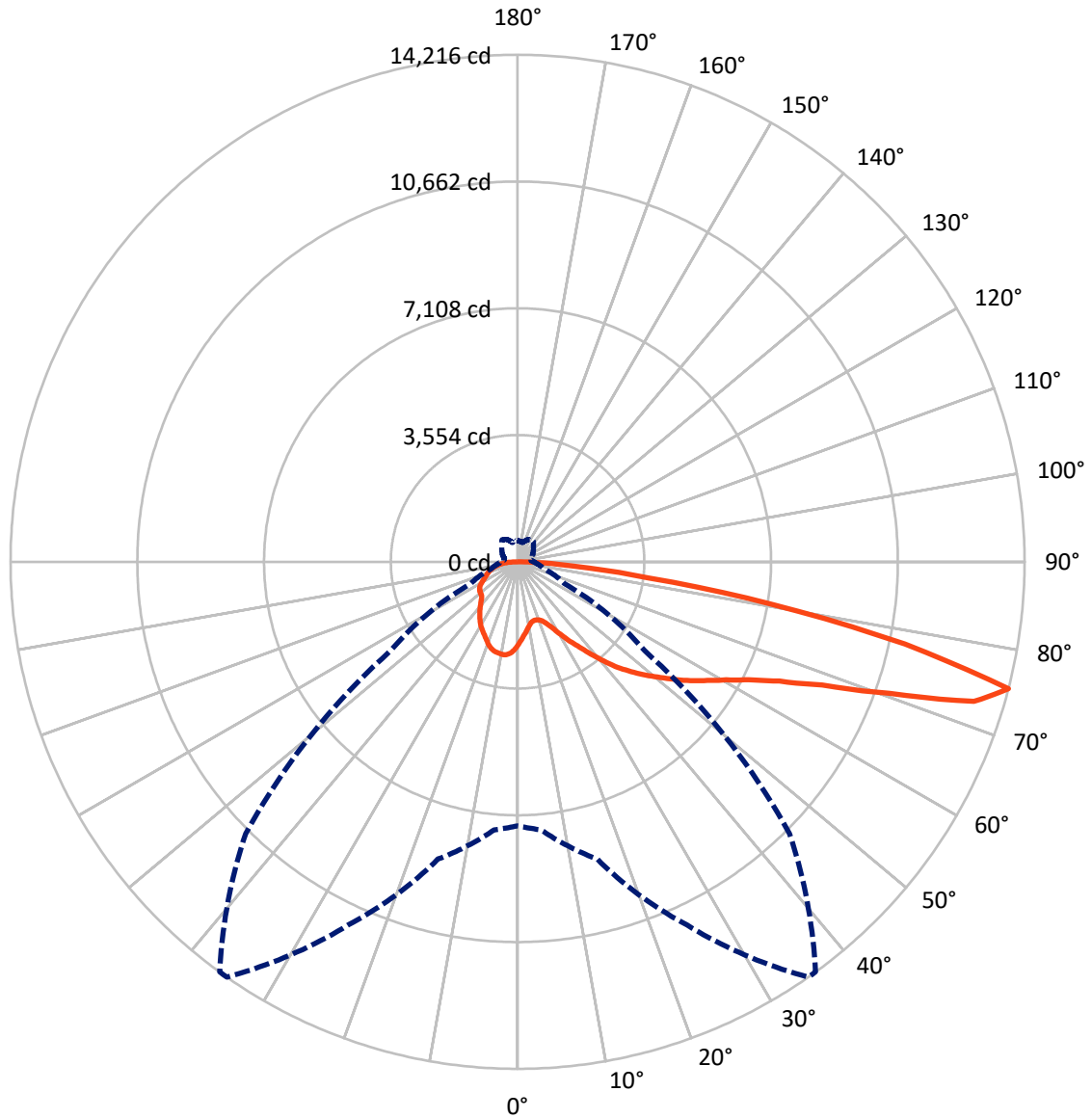
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type 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
House Side	Lumens	4150.8	0.0	4150.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13291.2	0.0	13291.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	17442.0	0.0	17442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	1.3
10°-20°	634.8	3.6
20°-30°	1065.9	6.1
30°-40°	1656.6	9.5
40°-50°	2458.8	14.1
50°-60°	3394.5	19.5
60°-70°	4118.3	23.6
70°-80°	3403.5	19.5
80°-90°	489.5	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°	17442.0	100.0
0°-180°	17442.0	100.0

Coefficient of Utilization



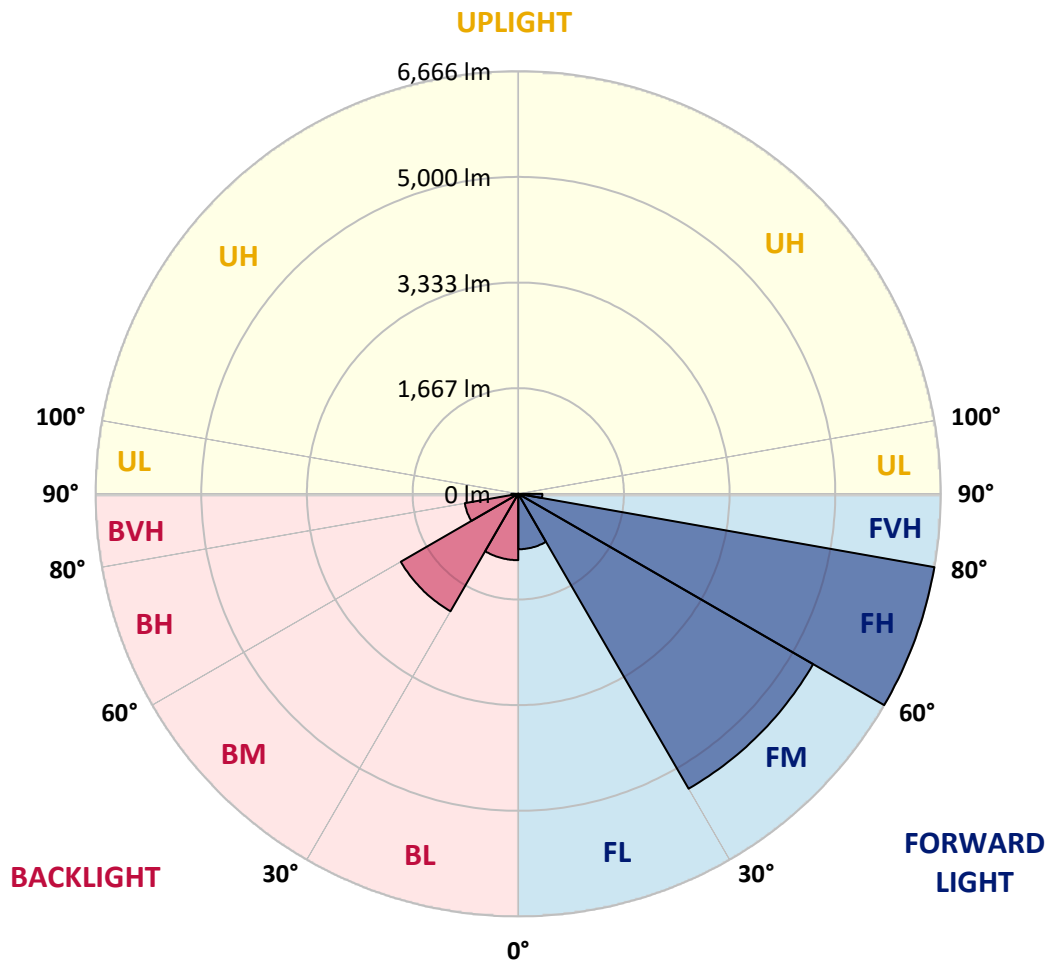
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.7	5.0			
FM (30°-60°)	5371.2	30.8			
FH (60°-80°)	6666.1	38.2			G3/7500
FVH (80°-90°)	379.3	2.2			G3/500
BL (0°-30°)	1046.0	6.0	B3/2500		
BM (30°-60°)	2138.7	12.3	B2/2500		
BH (60°-80°)	855.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	110.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3
2.5°	2143.2	2156.4	2162.1	2159.3	2173.4	2171.5	2191.3	2215.8	2249.8	2282.8
5°	1978.2	1992.4	2004.6	2015.9	2043.3	2051.8	2082.9	2130.0	2192.3	2255.4
7.5°	1824.5	1836.8	1855.6	1876.4	1922.6	1931.1	1982.9	2056.5	2143.2	2235.6
10°	1699.1	1711.4	1731.2	1754.7	1812.3	1822.6	1888.6	1986.7	2099.9	2216.8
12.5°	1645.4	1649.1	1660.5	1684.0	1734.0	1740.6	1813.2	1925.4	2057.4	2202.6
15°	1642.5	1650.1	1651.0	1663.3	1704.8	1707.6	1774.6	1885.8	2031.0	2199.8
17.5°	1670.8	1676.5	1668.0	1675.5	1710.4	1715.1	1767.9	1867.0	2022.5	2212.1
20°	1746.3	1751.0	1725.5	1715.1	1740.6	1744.4	1796.2	1879.2	2031.0	2237.5
22.5°	1906.6	1909.4	1847.2	1804.7	1806.6	1808.5	1853.8	1929.2	2064.0	2283.7
25°	2156.4	2154.5	2055.5	1973.5	1926.4	1916.0	1946.2	2010.3	2119.7	2345.0
27.5°	2448.7	2434.6	2335.6	2213.0	2110.2	2095.1	2088.5	2115.9	2198.9	2426.1
30°	2778.7	2765.5	2659.0	2498.7	2356.3	2331.8	2269.6	2255.4	2316.7	2536.4
32.5°	3140.8	3132.3	3005.0	2810.8	2620.3	2592.0	2487.4	2449.7	2497.8	2703.3
35°	3444.4	3436.9	3331.3	3131.4	2898.5	2863.6	2757.1	2714.6	2739.1	2917.4
37.5°	3718.8	3715.1	3624.5	3467.1	3226.6	3184.2	3064.4	3050.3	3045.6	3199.3
40°	3973.4	3964.0	3869.7	3786.7	3608.5	3569.8	3464.2	3452.0	3416.2	3546.3
42.5°	4255.3	4230.8	4094.1	4055.4	4007.4	3975.3	3912.1	3914.0	3834.8	3937.6
45°	4485.4	4471.3	4330.8	4308.1	4360.0	4346.8	4401.5	4415.6	4261.9	4347.7
47.5°	4732.4	4719.2	4600.4	4584.4	4724.9	4728.7	4922.0	4926.7	4678.7	4773.9
50°	5037.0	5018.1	4900.3	4920.1	5077.6	5091.7	5445.3	5413.2	5062.5	5206.7
52.5°	5237.8	5249.2	5223.7	5255.8	5470.7	5483.9	5960.1	5878.1	5442.5	5633.9
55°	5385.9	5408.5	5487.7	5561.3	5885.6	5898.8	6445.7	6320.3	5757.4	6029.9
57.5°	5576.3	5544.3	5692.3	5835.6	6279.8	6314.6	6918.1	6746.5	6036.5	6371.2
60°	5849.8	5827.2	5942.2	6154.4	6721.0	6776.7	7417.8	7130.3	6241.1	6641.8
62.5°	6404.2	6347.6	6365.6	6553.2	7277.4	7350.9	7981.7	7465.0	6342.9	6747.4
65°	7233.0	7135.9	7045.4	7175.5	8060.9	8133.5	8618.2	7728.1	6305.2	6542.8
67.5°	8276.8	8180.7	8069.4	8192.0	9215.0	9272.5	9403.6	7876.1	6008.2	5754.6
70°	9137.7	9101.9	9234.8	9739.3	11058.4	11060.3	10410.6	7753.5	5194.5	4080.0
72.5°	9023.6	9001.9	9702.5	11262.1	13381.7	13331.8	11363.9	6825.7	3499.1	1840.6
75°	7402.8	7543.3	8628.5	11234.7	14216.2	14209.6	10780.2	4339.3	1447.4	762.8
77.5°	3969.6	4192.2	5601.8	8294.7	11098.0	11264.9	7579.1	1518.1	621.4	488.4
80°	1294.6	1488.8	2232.8	4223.3	7211.3	7180.2	3248.3	595.9	425.3	346.0
82.5°	549.7	572.3	997.6	1994.2	3700.9	3643.4	1034.4	342.3	298.9	236.7
85°	215.0	240.4	440.3	922.2	1602.9	1568.1	373.4	169.7	191.4	154.6
87.5°	70.7	85.8	157.5	315.9	498.8	480.9	91.5	58.5	83.0	70.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852491
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2324.3	0°	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3	2324.3
2330.9	2.5°	2344.1	2359.2	2377.1	2403.5	2426.1	2445.0	2464.8	2477.0	2481.7	2495.9
2334.6	5°	2361.0	2394.0	2438.4	2481.7	2524.2	2549.6	2572.2	2583.6	2593.9	2601.5
2345.0	7.5°	2389.3	2431.8	2501.5	2558.1	2593.9	2614.7	2629.8	2626.0	2629.8	2631.7
2356.3	10°	2413.8	2473.2	2556.2	2610.0	2637.3	2638.3	2634.5	2621.3	2614.7	2615.6
2373.3	12.5°	2443.1	2509.1	2598.7	2643.9	2651.5	2630.7	2614.7	2592.0	2583.6	2579.8
2398.8	15°	2482.7	2558.1	2644.9	2661.8	2643.0	2616.6	2589.2	2552.4	2533.6	2518.5
2442.1	17.5°	2530.8	2613.7	2680.7	2668.4	2627.9	2584.5	2540.2	2484.6	2445.9	2429.9
2501.5	20°	2597.7	2672.2	2708.0	2654.3	2593.0	2527.0	2451.6	2383.7	2347.8	2331.8
2577.0	22.5°	2678.8	2750.5	2734.4	2629.8	2543.0	2437.4	2343.1	2293.1	2275.2	2263.9
2674.1	25°	2775.9	2837.2	2753.3	2593.9	2461.0	2318.6	2246.0	2230.0	2221.5	2213.0
2792.9	27.5°	2902.3	2935.3	2767.4	2541.1	2332.8	2192.3	2165.9	2168.7	2165.9	2151.7
2957.9	30°	3069.2	3062.6	2780.6	2455.3	2185.7	2078.2	2080.1	2092.3	2094.2	2084.8
3188.0	32.5°	3288.9	3221.9	2787.2	2344.1	2045.2	1978.2	1980.1	1993.3	2002.7	1986.7
3488.8	35°	3554.8	3407.7	2776.9	2204.5	1936.7	1883.0	1868.8	1872.6	1875.4	1860.4
3853.7	37.5°	3865.0	3616.0	2730.7	2049.9	1847.2	1789.6	1759.5	1734.0	1718.9	1704.8
4266.7	40°	4205.4	3843.3	2645.8	1899.0	1747.2	1690.6	1645.4	1597.3	1546.4	1527.5
4704.2	42.5°	4561.8	4077.1	2543.0	1754.7	1632.2	1586.0	1537.9	1468.1	1391.7	1353.1
5158.6	45°	4931.4	4316.6	2442.1	1612.4	1514.3	1494.5	1438.9	1355.0	1272.0	1222.9
5614.1	47.5°	5293.5	4542.9	2294.1	1469.0	1404.0	1425.7	1382.3	1305.0	1212.6	1135.3
6065.7	50°	5639.5	4755.1	2051.8	1323.8	1314.4	1404.9	1363.4	1252.2	1146.6	1047.6
6508.9	52.5°	5982.7	4926.7	1741.5	1191.8	1266.3	1399.3	1338.9	1216.3	1087.2	983.5
6925.6	55°	6274.1	5015.3	1442.6	1078.7	1196.5	1351.2	1309.7	1173.9	1003.3	892.9
7211.3	57.5°	6440.1	4943.7	1193.7	967.4	1100.4	1272.0	1259.7	1083.4	903.3	818.4
7267.0	60°	6368.4	4653.2	990.1	870.3	1008.9	1186.2	1173.0	993.8	826.9	746.8
6969.0	62.5°	5973.3	4099.8	828.8	785.4	925.9	1098.5	1086.2	925.0	768.5	691.2
6177.9	65°	5177.5	3335.1	703.4	714.7	842.0	992.9	1010.8	867.5	722.3	646.8
4779.6	67.5°	3948.9	2415.7	605.3	653.4	760.0	889.2	941.0	826.0	683.6	611.9
2765.5	70°	2250.7	1371.9	522.4	594.0	687.4	793.0	887.3	793.0	642.1	582.7
1036.3	72.5°	853.3	629.9	451.7	534.6	617.6	711.9	827.9	741.1	594.0	549.7
535.6	75°	455.4	383.8	380.0	464.9	537.5	632.7	753.4	690.2	558.2	580.8
370.6	77.5°	310.2	271.6	317.8	397.9	449.8	545.0	674.2	612.9	483.7	481.8
256.5	80°	215.0	192.4	258.4	320.6	347.9	458.3	588.4	526.1	394.1	367.7
158.4	82.5°	129.2	125.4	193.3	239.5	246.1	353.6	487.5	441.3	322.5	281.0
94.3	85°	70.7	74.5	123.5	140.5	143.3	247.0	381.9	341.3	248.0	208.4
33.9	87.5°	19.8	25.5	45.3	55.6	68.8	128.2	227.2	202.7	124.5	86.7
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°
2324.3
2494.9
2603.4
2634.5
2617.5
2577.9
2523.2
2430.8
2329.9
2265.8
2213.0
2154.5
2089.5
1994.2
1870.7
1714.2
1536.0
1357.8
1219.2
1126.8
1039.1
972.1
883.5
807.1
735.5
678.9
634.6
600.6
575.2
542.2
599.7
444.1
351.7
282.9
210.3
86.7
0.0

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