

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: P949491

Luminaire Tested: **GLAN-SB4B-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18607 lumens
Efficiency: N/A
Efficacy: 126.6 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): 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



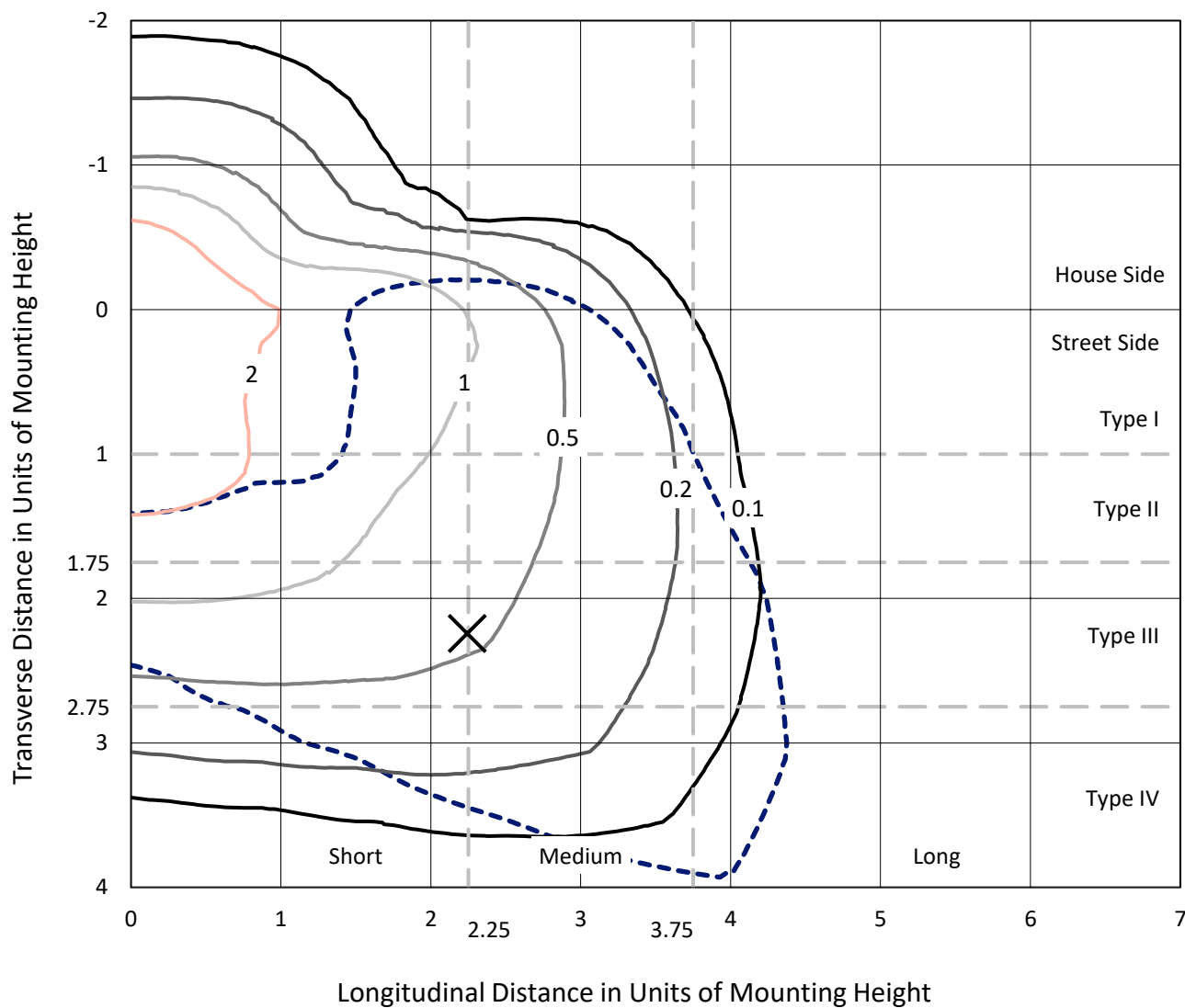
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Iso-Footcandle Lines of Horizontal Illumination

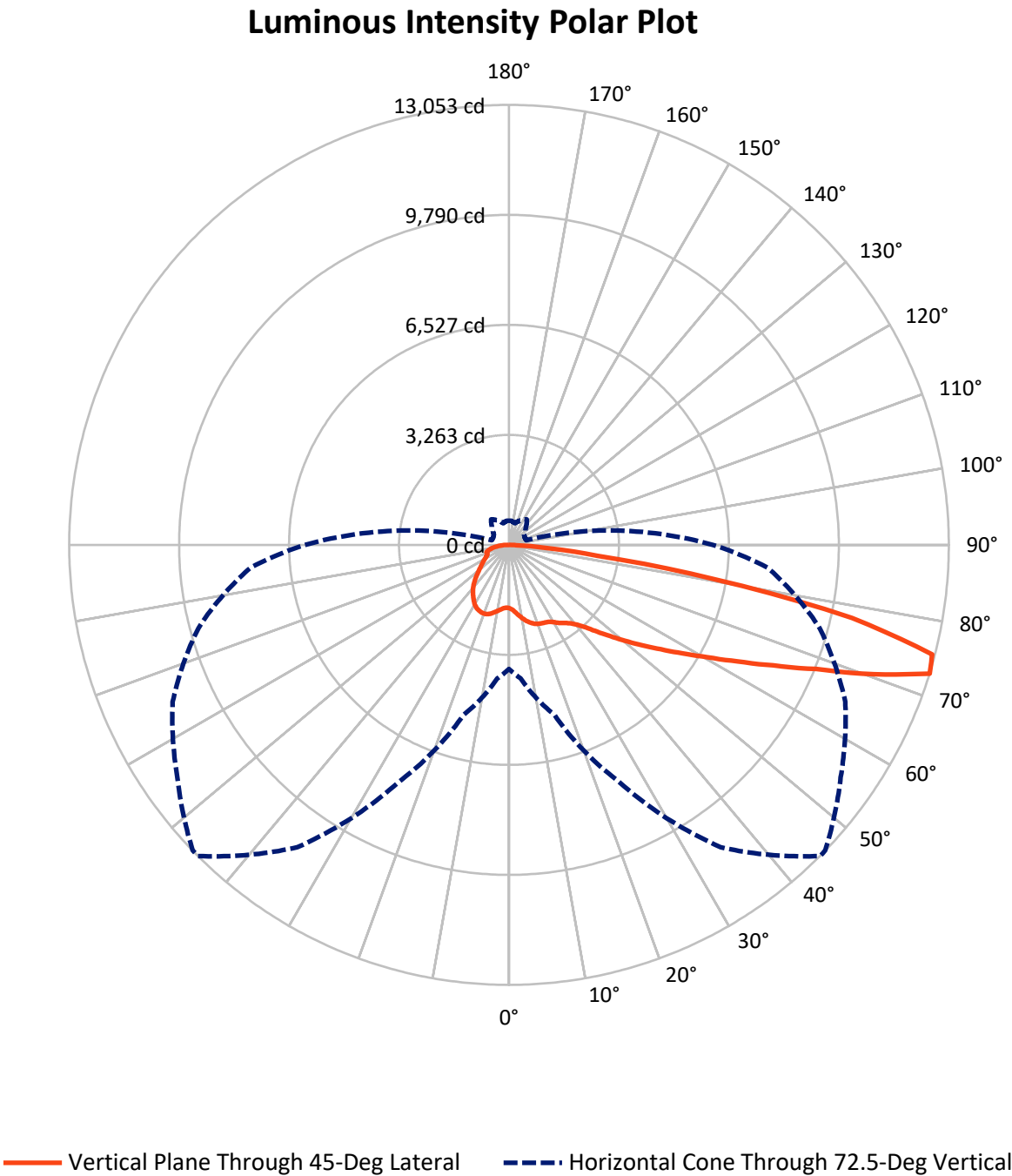
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4206.4	0.0	4206.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	14400.6	0.0	14400.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	18607.0	0.0	18607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	1.0
10°-20°	637.0	3.4
20°-30°	1108.1	6.0
30°-40°	1588.5	8.5
40°-50°	2236.7	12.0
50°-60°	3425.9	18.4
60°-70°	4963.0	26.7
70°-80°	3963.2	21.3
80°-90°	493.6	2.7
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°	18607.0	100.0
0°-180°	18607.0	100.0

Coefficient of Utilization



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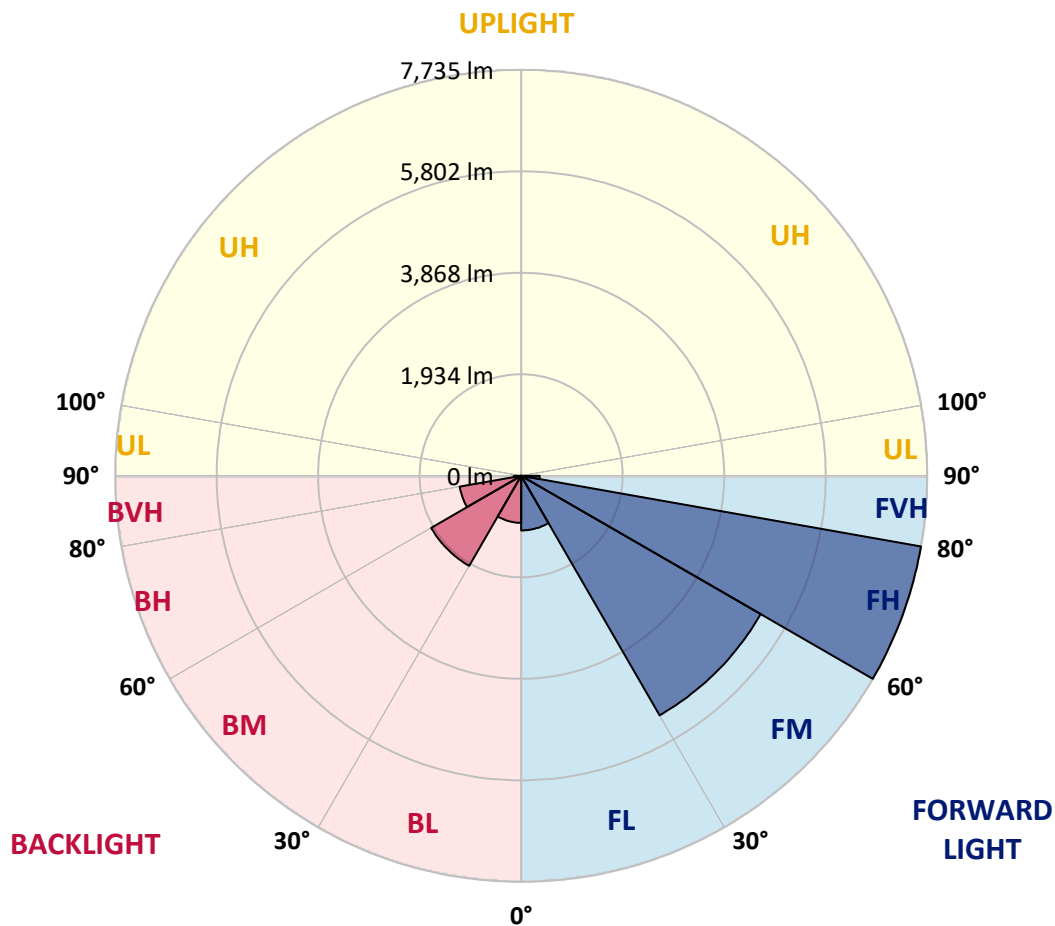
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1040.5	5.6			
FM	(30°-60°)	5270.5	28.3			
FH	(60°-80°)	7735.5	41.6			G4/12000
FVH	(80°-90°)	354.1	1.9			G3/500
BL	(0°-30°)	895.6	4.8	B2/1000		
BM	(30°-60°)	1980.6	10.6	B2/2500		
BH	(60°-80°)	1190.7	6.4	B3/2500		G3/2500
BVH	(80°-90°)	139.5	0.7			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°	45°	46°	55°	65°	75°
0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
2.5°	1950.6	1963.3	1951.6	1940.8	1935.9	1923.2	1922.2	1914.3	1909.4	1895.7
5°	2086.8	2103.5	2083.9	2062.3	2042.7	2011.4	2007.5	1984.9	1959.4	1930.0
7.5°	2240.7	2255.4	2232.9	2200.6	2166.2	2114.3	2113.3	2072.1	2032.0	1982.0
10°	2375.0	2394.6	2364.2	2320.1	2277.0	2218.2	2211.3	2164.3	2113.3	2048.6
12.5°	2493.6	2507.4	2477.9	2424.0	2374.0	2315.2	2306.4	2254.5	2197.6	2124.1
15°	2587.7	2605.4	2566.2	2508.3	2455.4	2397.6	2389.7	2342.7	2285.8	2208.4
17.5°	2649.5	2664.2	2624.0	2559.3	2508.3	2460.3	2454.4	2415.2	2365.2	2286.8
20°	2673.0	2688.7	2646.5	2580.9	2533.8	2496.6	2493.6	2465.2	2430.9	2359.3
22.5°	2696.5	2711.2	2656.3	2587.7	2546.6	2523.0	2522.1	2503.4	2489.7	2430.9
25°	2791.6	2795.5	2722.0	2623.0	2564.2	2543.6	2542.6	2541.7	2547.5	2501.5
27.5°	2873.9	2873.0	2810.2	2717.1	2626.0	2582.8	2581.8	2591.7	2610.3	2572.0
30°	2994.5	2983.7	2909.2	2812.2	2728.9	2662.2	2656.3	2647.5	2662.2	2631.8
32.5°	3250.3	3216.0	3095.5	2923.0	2814.2	2763.2	2755.3	2700.5	2706.3	2687.7
35°	3616.9	3571.9	3411.1	3132.7	2920.0	2847.5	2843.6	2774.0	2762.2	2745.5
37.5°	4053.1	3997.3	3810.0	3436.6	3102.3	2945.5	2939.6	2876.9	2828.9	2811.2
40°	4491.3	4420.7	4265.8	3807.1	3370.9	3109.2	3090.6	2995.5	2940.6	2911.2
42.5°	4916.7	4857.9	4725.5	4222.7	3702.2	3348.4	3307.2	3144.5	3103.3	3075.9
45°	5293.1	5240.2	5143.1	4666.7	4090.4	3673.8	3633.6	3368.0	3355.2	3355.2
47.5°	5598.9	5587.1	5484.2	5119.6	4548.1	4044.3	3974.7	3678.7	3713.0	3765.9
50°	5938.1	5905.7	5795.9	5565.6	5086.3	4468.7	4411.9	4060.0	4188.4	4333.5
52.5°	6249.8	6267.4	6144.9	6030.2	5694.0	4942.2	4842.2	4509.9	4787.3	5027.4
55°	6570.3	6571.3	6537.0	6521.3	6331.1	5465.6	5355.8	5051.0	5492.1	5790.0
57.5°	6871.2	6873.2	6924.1	7062.3	7070.2	6069.4	5944.9	5715.5	6275.2	6579.1
60°	7139.8	7153.5	7292.7	7616.2	7720.1	6761.4	6643.8	6500.7	7084.9	7390.7
62.5°	7230.0	7279.9	7589.7	8049.4	8362.1	7610.3	7494.6	7409.3	7935.7	8220.0
65°	7077.0	7191.7	7790.6	8407.2	9022.7	8618.9	8504.2	8411.1	8819.8	9087.4
67.5°	6701.6	6849.6	7778.9	8782.6	9824.6	9832.4	9725.6	9507.0	9767.7	9870.6
70°	5712.6	5934.1	7093.7	8922.8	10745.0	11491.9	11389.0	10826.3	10713.6	10215.7
72.5°	3680.7	3978.6	5223.5	7769.1	10949.8	13053.3	13047.5	12017.3	11012.6	9545.2
75°	1342.9	1525.2	2427.0	4876.5	9191.3	12973.9	13012.2	11813.4	10052.9	7373.1
77.5°	489.1	535.2	792.0	1874.1	5652.8	10409.7	10489.1	9444.2	7155.5	3700.3
80°	256.8	282.3	405.8	727.3	2422.1	6182.1	6306.6	5612.6	3363.1	1114.5
82.5°	142.1	153.9	227.4	395.0	1091.0	2643.6	2718.1	2217.2	1183.1	472.5
85°	76.5	81.4	106.8	215.6	533.2	916.5	937.1	662.6	471.5	277.4
87.5°	22.5	27.4	35.3	68.6	208.8	205.8	210.7	131.3	186.2	140.2
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°
1877.1	0°	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1	1877.1
1891.8	2.5°	1885.9	1883.0	1872.2	1867.3	1861.4	1860.4	1865.3	1866.3	1867.3	1868.3
1913.4	5°	1903.5	1893.7	1883.9	1878.1	1880.0	1881.0	1890.8	1897.7	1902.6	1906.5
1953.5	7.5°	1937.9	1930.0	1913.4	1912.4	1915.3	1924.1	1936.9	1952.6	1961.4	1968.2
2005.5	10°	1988.8	1974.1	1954.5	1957.5	1963.3	1976.1	2002.5	2015.3	2030.0	2042.7
2069.2	12.5°	2040.8	2028.0	2005.5	2007.5	2017.3	2039.8	2065.3	2081.0	2090.8	2100.6
2137.8	15°	2108.4	2085.9	2061.4	2061.4	2079.0	2103.5	2115.3	2128.0	2133.9	2144.7
2211.3	17.5°	2178.0	2148.6	2116.3	2114.3	2135.9	2147.6	2154.5	2156.4	2158.4	2170.2
2282.9	20°	2247.6	2215.3	2169.2	2165.3	2170.2	2168.2	2167.2	2165.3	2168.2	2182.9
2356.4	22.5°	2316.2	2279.0	2215.3	2197.6	2183.9	2165.3	2164.3	2163.3	2165.3	2180.0
2435.8	25°	2396.6	2351.5	2266.2	2213.3	2167.2	2141.7	2144.7	2145.7	2147.6	2159.4
2518.1	27.5°	2483.8	2433.8	2313.3	2208.4	2125.1	2107.4	2102.5	2105.5	2112.3	2131.0
2600.5	30°	2571.1	2512.3	2356.4	2188.8	2072.1	2047.6	2032.0	2038.8	2060.4	2079.0
2672.0	32.5°	2650.5	2591.7	2390.7	2145.7	2004.5	1966.3	1945.7	1954.5	1976.1	1982.9
2751.4	35°	2743.6	2676.9	2405.4	2077.0	1931.0	1872.2	1844.7	1832.0	1842.8	1835.9
2844.5	37.5°	2847.5	2777.9	2403.5	1986.9	1844.7	1777.1	1738.9	1690.8	1668.3	1644.8
2981.8	40°	3001.4	2901.4	2379.9	1878.1	1737.9	1676.1	1607.5	1526.2	1475.2	1429.1
3203.3	42.5°	3211.1	3072.9	2336.8	1758.5	1617.3	1559.5	1466.4	1371.3	1290.9	1214.5
3539.5	45°	3523.8	3297.4	2282.9	1631.1	1487.0	1430.1	1329.2	1222.3	1131.2	1033.1
4016.9	47.5°	3974.7	3599.3	2231.9	1486.0	1349.7	1297.8	1206.6	1107.6	999.8	904.7
4706.9	50°	4594.2	4032.5	2184.9	1344.8	1214.5	1175.3	1102.7	1001.8	893.0	816.5
5515.6	52.5°	5382.3	4621.6	2165.3	1208.6	1088.0	1073.3	1015.5	921.4	818.5	753.8
6458.5	55°	6287.0	5326.4	2165.3	1078.2	977.3	982.2	942.0	854.7	765.5	707.7
7430.9	57.5°	7210.4	6040.0	2126.1	957.7	883.2	903.7	878.3	801.8	721.4	661.6
8453.2	60°	8061.2	6637.9	1967.3	847.9	799.8	832.2	815.5	749.9	651.8	601.8
9308.0	62.5°	8715.0	6975.1	1661.4	760.6	731.2	768.5	759.7	681.2	639.1	618.5
10009.8	65°	9042.4	6920.2	1270.3	683.2	673.4	731.2	712.6	709.7	676.3	652.8
10238.2	67.5°	8841.4	6447.8	921.4	626.3	640.1	696.9	768.5	780.2	718.5	672.4
9595.2	70°	7960.2	5593.0	686.1	572.4	597.9	697.9	876.3	816.5	704.8	650.9
7695.6	72.5°	6055.7	4170.8	532.2	515.6	543.0	702.8	924.3	799.8	665.6	719.5
4794.2	75°	3463.0	2289.7	427.4	446.0	474.4	656.7	899.8	756.7	635.2	660.7
1899.6	77.5°	1320.3	880.2	352.9	377.4	381.3	573.4	860.6	753.8	604.8	590.1
569.5	80°	457.8	344.1	292.1	299.9	295.0	509.7	825.3	655.8	495.0	443.1
235.2	82.5°	187.2	171.5	231.3	221.5	209.8	396.0	666.5	536.2	404.8	357.8
113.7	85°	81.4	108.8	152.9	134.3	121.5	274.5	534.2	453.8	342.1	295.0
37.2	87.5°	16.7	41.2	64.7	60.8	62.7	183.3	379.3	322.5	242.1	181.3
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°
1877.1
1872.2
1908.5
1970.2
2039.8
2104.5
2148.6
2174.1
2188.8
2189.8
2175.1
2149.6
2099.6
2007.5
1857.5
1659.5
1432.1
1207.6
1021.4
893.9
811.6
748.9
701.8
651.8
594.0
611.6
645.0
664.6
642.0
713.6
660.7
538.1
428.3
353.9
294.1
142.1
0.0

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