

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: P950560

Luminaire Tested: **GLAN-SB5A-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19217 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7
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

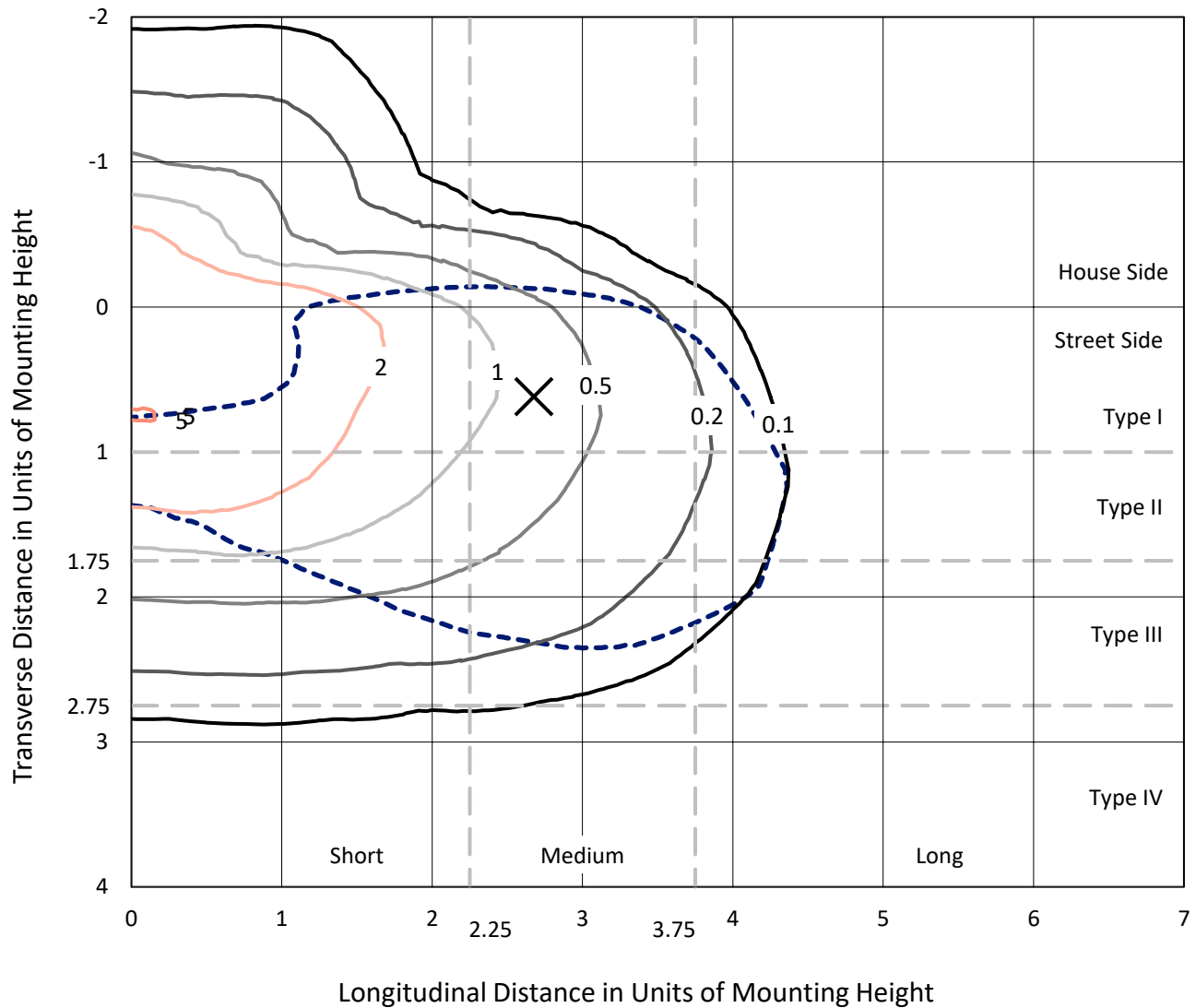


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

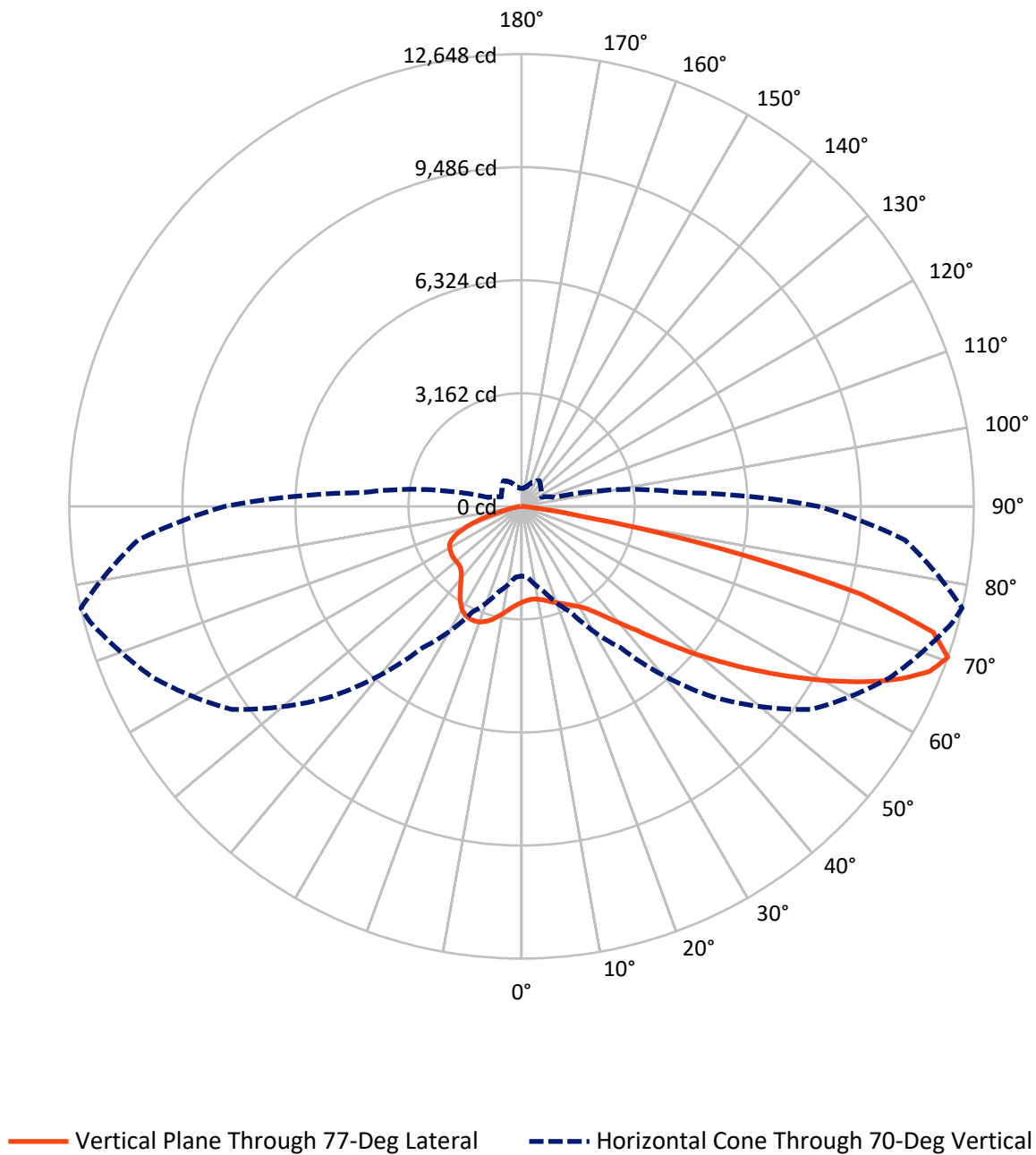


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4208.2	0.0	4208.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	15008.8	0.0	15008.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	19217.0	0.0	19217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	1.3
10°-20°	737.9	3.8
20°-30°	1262.0	6.6
30°-40°	2029.4	10.6
40°-50°	3168.4	16.5
50°-60°	4232.3	22.0
60°-70°	4511.0	23.5
70°-80°	2776.9	14.5
80°-90°	243.3	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°	19217.0	100.0
0°-180°	19217.0	100.0

Coefficient of Utilization



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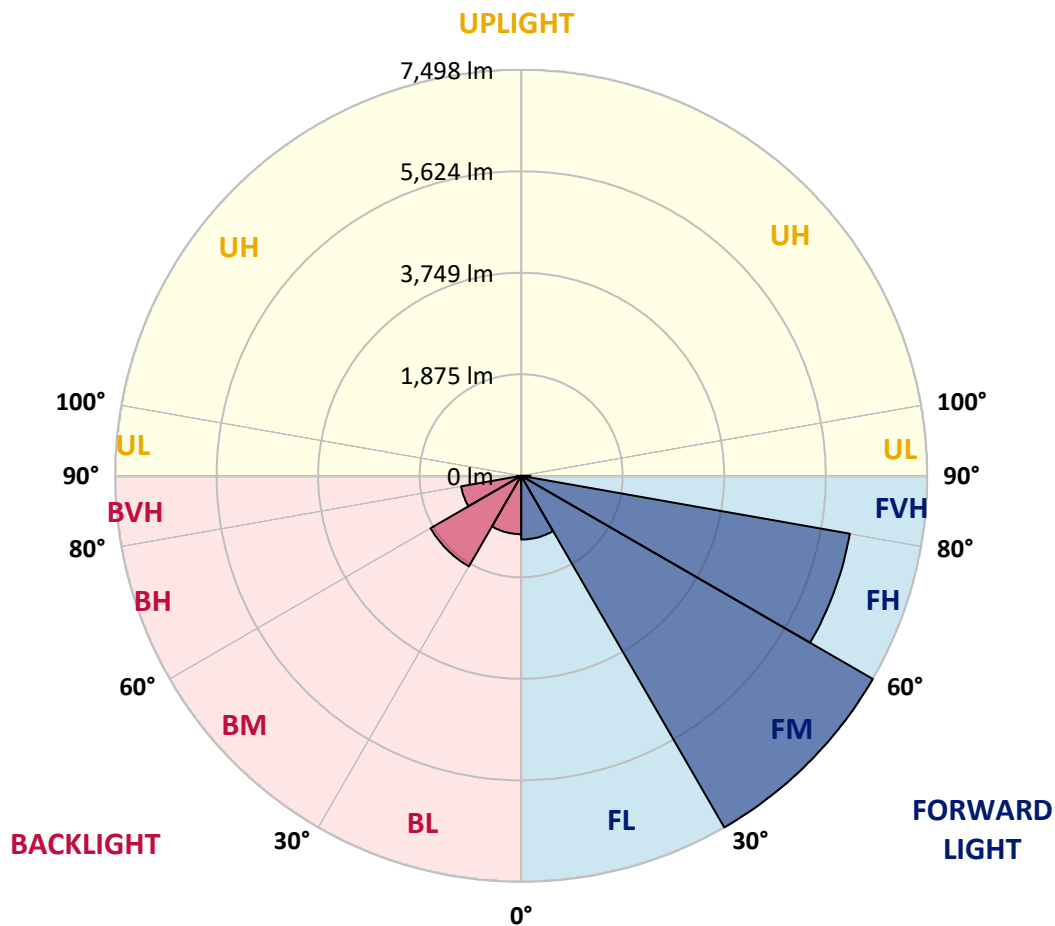
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1177.3	6.1			
FM	(30°-60°)	7498.1	39.0			
FH	(60°-80°)	6163.2	32.1			G3/7500
FVH	(80°-90°)	170.2	0.9			G2/225
BL	(0°-30°)	1078.3	5.6	B3/2500		
BM	(30°-60°)	1932.1	10.1	B2/2500		
BH	(60°-80°)	1124.7	5.9	B3/2500		G3/2500
BVH	(80°-90°)	73.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2471.3	2470.3	2483.1	2487.1	2510.7	2527.4	2558.9	2592.4	2635.7	2640.6
5°	2328.6	2328.6	2343.4	2359.1	2389.6	2423.1	2471.3	2529.4	2604.2	2616.0
7.5°	2207.5	2215.4	2228.2	2258.7	2294.2	2342.4	2416.2	2498.9	2597.3	2616.0
10°	2110.1	2119.0	2134.7	2159.3	2212.5	2279.4	2375.8	2482.1	2614.0	2643.5
12.5°	2079.6	2088.5	2097.3	2116.0	2165.2	2244.0	2359.1	2490.0	2654.4	2683.9
15°	2150.5	2161.3	2154.4	2149.5	2175.1	2246.9	2367.0	2518.6	2704.6	2746.9
17.5°	2313.8	2317.8	2302.0	2255.8	2251.8	2290.2	2404.4	2557.9	2767.6	2813.8
20°	2577.6	2570.7	2538.2	2446.7	2394.5	2386.7	2468.4	2617.0	2832.5	2881.7
22.5°	2935.9	2928.0	2863.0	2718.3	2602.2	2525.4	2560.9	2693.7	2905.3	2960.5
25°	3382.7	3371.9	3276.4	3079.5	2899.4	2709.5	2686.9	2795.1	2994.9	3046.1
27.5°	3904.3	3895.4	3792.1	3532.3	3272.4	2961.4	2843.3	2914.2	3088.4	3146.5
30°	4465.3	4490.9	4307.8	4028.3	3699.6	3290.2	3054.0	3060.8	3209.5	3261.6
32.5°	5124.7	5169.0	4948.5	4594.2	4145.4	3647.4	3319.7	3265.6	3385.6	3428.9
35°	5778.2	5828.4	5645.3	5253.6	4736.9	4068.7	3597.2	3500.8	3619.9	3667.1
37.5°	6343.1	6410.1	6315.6	5975.0	5369.8	4576.5	3959.4	3777.3	3908.2	3967.3
40°	6789.0	6891.3	6884.4	6671.9	6115.8	5192.6	4419.0	4118.9	4266.5	4330.5
42.5°	7151.2	7239.7	7316.5	7305.7	6894.3	5892.4	4959.4	4562.7	4674.9	4748.7
45°	7401.1	7495.6	7661.0	7839.1	7643.3	6641.3	5578.4	5089.3	5191.6	5302.8
47.5°	7624.6	7731.8	7946.4	8228.9	8279.0	7393.3	6256.5	5702.4	5795.9	5911.1
50°	7644.2	7736.8	8069.4	8470.0	8730.8	8115.7	6984.8	6390.4	6478.0	6601.0
52.5°	7168.9	7314.5	7895.2	8463.1	8938.5	8720.0	7708.2	7105.9	7204.3	7351.9
55°	5564.6	5778.2	7384.4	8199.3	8864.6	9110.7	8396.2	7866.7	7992.6	8147.2
57.5°	4793.0	4886.5	5861.9	7719.0	8528.0	9212.1	8976.8	8635.3	8838.1	9007.4
60°	4307.8	4385.6	4962.3	6972.0	8085.2	9051.6	9425.6	9351.8	9702.2	9904.0
62.5°	3788.2	3862.0	4386.6	5821.5	7518.3	8784.9	9709.1	10013.2	10588.0	10808.4
65°	3272.4	3335.4	3838.4	4891.4	6797.8	8518.2	9855.7	10585.0	11407.8	11636.1
67.5°	2697.7	2749.8	3225.2	4126.7	5921.9	8153.1	9928.6	11034.8	12121.3	12317.2
70°	1946.7	1987.1	2478.2	3263.6	4822.6	7525.2	9899.0	11353.7	12491.4	12647.9
72.5°	920.2	956.6	1533.4	2119.0	3406.3	6302.8	9301.6	11100.7	12115.4	12037.7
75°	491.1	522.6	880.9	1162.3	1799.1	4320.6	7611.8	9562.4	10173.6	9795.7
77.5°	332.7	357.3	545.2	697.8	821.8	2051.1	4892.4	6620.7	6369.7	5745.7
80°	263.8	289.4	446.8	472.4	397.6	741.1	2021.5	3064.8	2201.6	1760.7
82.5°	202.7	231.3	376.0	342.5	216.5	304.1	588.5	969.4	563.9	429.1
85°	124.0	154.5	295.3	218.5	122.0	138.8	199.8	269.7	172.2	143.7
87.5°	63.0	88.6	149.6	79.7	55.1	32.5	53.1	53.1	45.3	39.4
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°
2680.9	0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2667.2	2.5°	2690.8	2710.5	2743.9	2775.4	2800.0	2823.7	2847.3	2860.1	2864.0	2879.8
2681.9	5°	2722.3	2758.7	2823.7	2884.7	2923.1	2946.7	2963.4	2973.3	2975.2	2980.1
2722.3	7.5°	2780.4	2838.4	2929.0	2990.0	3018.5	3016.6	3009.7	2985.1	2975.2	2966.4
2781.3	10°	2862.0	2938.8	3050.0	3092.3	3074.6	3027.4	2966.4	2894.5	2861.1	2828.6
2862.0	12.5°	2963.4	3060.8	3170.1	3168.1	3080.5	2959.5	2817.7	2707.5	2637.6	2587.4
2961.4	15°	3086.4	3198.6	3282.3	3215.4	3023.4	2805.9	2598.3	2454.6	2391.6	2336.5
3061.8	17.5°	3213.4	3333.5	3371.9	3200.6	2879.8	2578.6	2343.4	2230.2	2168.2	2138.7
3170.1	20°	3337.4	3456.5	3425.0	3116.0	2661.3	2320.7	2111.1	2049.1	2036.3	2043.2
3275.4	22.5°	3468.3	3574.6	3435.8	2952.6	2382.7	2057.0	1941.8	1943.8	1972.3	1993.0
3385.6	25°	3602.2	3674.0	3407.3	2716.4	2083.5	1863.1	1834.5	1866.0	1922.1	1962.5
3509.6	27.5°	3731.1	3762.6	3345.3	2424.1	1826.7	1724.3	1729.2	1794.2	1878.8	1934.9
3660.2	30°	3876.7	3841.3	3226.2	2095.4	1648.5	1605.2	1646.6	1722.3	1807.0	1857.2
3850.2	32.5°	4041.1	3909.2	3037.2	1791.2	1522.5	1509.8	1577.7	1626.9	1664.3	1679.0
4102.1	35°	4245.8	4004.7	2795.1	1577.7	1409.4	1439.9	1504.8	1480.2	1465.5	1457.6
4440.7	37.5°	4511.5	4133.6	2511.7	1438.9	1317.8	1389.7	1416.3	1339.5	1281.4	1252.9
4851.1	40°	4831.4	4322.6	2239.0	1331.6	1259.8	1346.4	1300.1	1207.6	1133.8	1093.4
5312.7	42.5°	5186.7	4520.4	2009.7	1250.9	1227.3	1310.9	1214.5	1104.3	985.2	972.4
5862.8	45°	5559.7	4724.1	1853.2	1188.9	1211.5	1280.4	1165.3	987.1	902.5	954.7
6415.0	47.5°	5932.7	4911.1	1758.8	1142.7	1203.7	1246.0	1122.0	922.2	862.2	937.9
7006.5	50°	6348.1	5078.4	1716.4	1109.2	1194.8	1232.2	1057.0	905.5	819.8	870.0
7618.7	52.5°	6760.4	5208.4	1684.9	1075.7	1182.0	1221.4	1025.5	885.8	768.7	771.6
8234.8	55°	7171.8	5293.0	1650.5	1031.4	1153.5	1197.8	1022.6	864.1	730.3	716.5
8886.3	57.5°	7610.8	5341.2	1608.2	982.2	1104.3	1137.7	1019.6	847.4	718.5	695.8
9552.6	60°	8057.6	5412.1	1553.1	922.2	1038.3	1065.9	1012.7	841.5	711.6	673.2
10180.5	62.5°	8458.2	5436.7	1487.1	865.1	953.7	995.0	998.0	836.6	692.9	626.9
10702.1	65°	8721.0	5330.4	1372.0	800.2	862.2	922.2	969.4	819.8	659.4	593.5
10960.0	67.5°	8710.1	5027.3	1191.9	716.5	773.6	841.5	928.1	791.3	619.1	552.1
10765.1	70°	8304.6	4428.9	963.5	619.1	676.1	754.9	874.9	749.0	570.8	506.9
9572.3	72.5°	7122.6	3466.3	699.8	504.9	563.0	665.3	806.1	697.8	521.6	466.5
7074.4	75°	5088.3	2193.8	474.4	387.8	438.0	563.9	720.4	637.8	476.4	468.5
3543.1	77.5°	2599.3	1048.2	314.0	283.4	305.1	444.9	605.3	569.8	483.2	386.8
1007.8	80°	845.4	386.8	197.8	192.9	202.7	296.2	468.5	467.5	366.1	262.8
244.1	82.5°	269.7	166.3	128.9	124.0	119.1	186.0	326.8	370.1	247.0	166.3
87.6	85°	107.3	99.4	75.8	69.9	50.2	87.6	171.2	246.0	184.0	120.1
22.6	87.5°	39.4	39.4	20.7	14.8	10.8	29.5	46.3	73.8	105.3	62.0
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°
2680.9
2888.6
2988.0
2968.3
2818.7
2575.6
2330.6
2147.5
2040.2
1997.9
1973.3
1948.7
1869.0
1686.9
1465.5
1259.8
1096.4
985.2
982.2
973.4
907.4
792.3
726.3
698.8
676.1
626.9
593.5
555.1
512.8
463.6
441.9
344.5
232.3
165.3
123.0
61.0
0.0

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