

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: P852889

Luminaire Tested: **GLAN-SB7A-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852889
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-SB7A-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20305 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

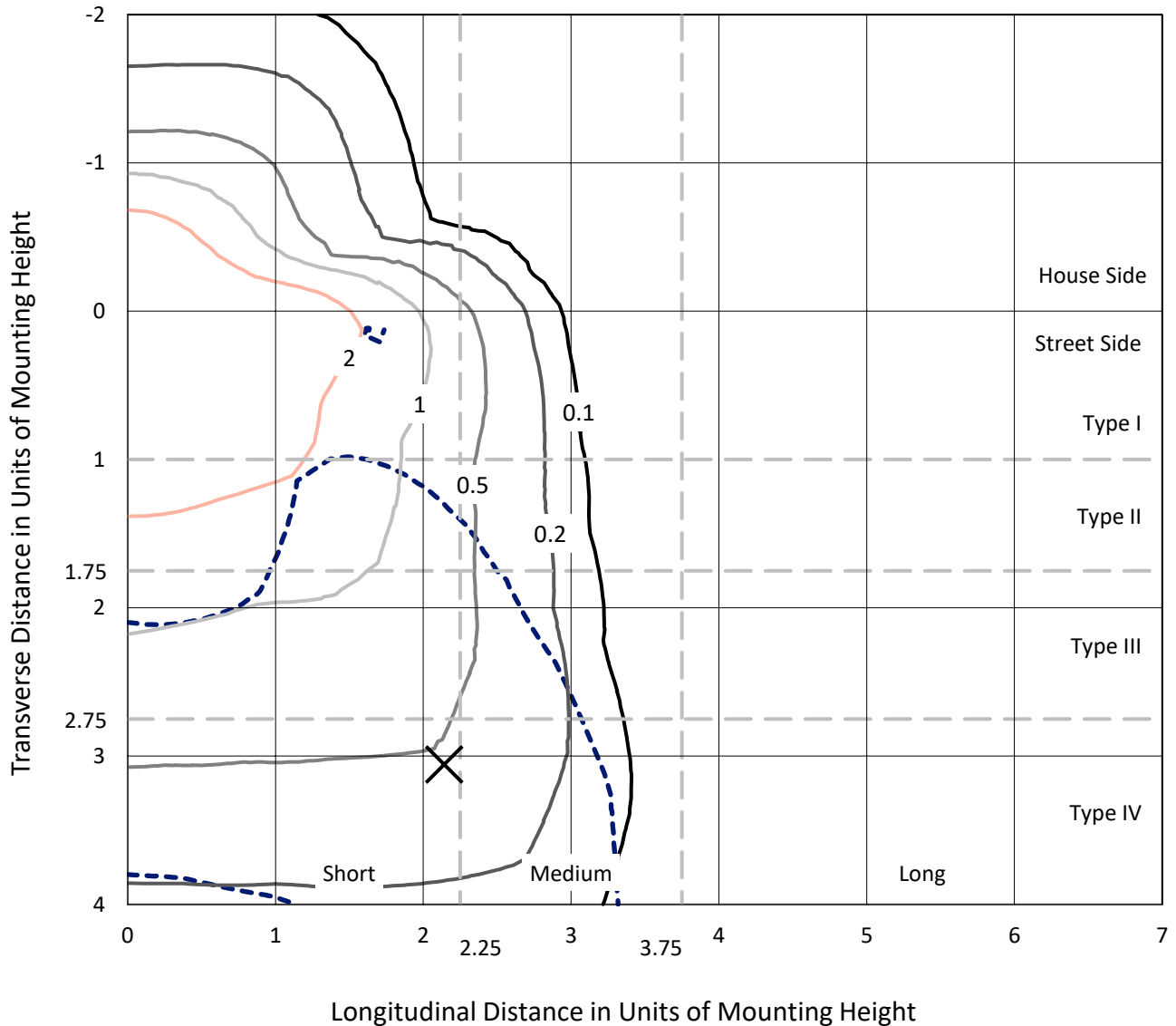
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

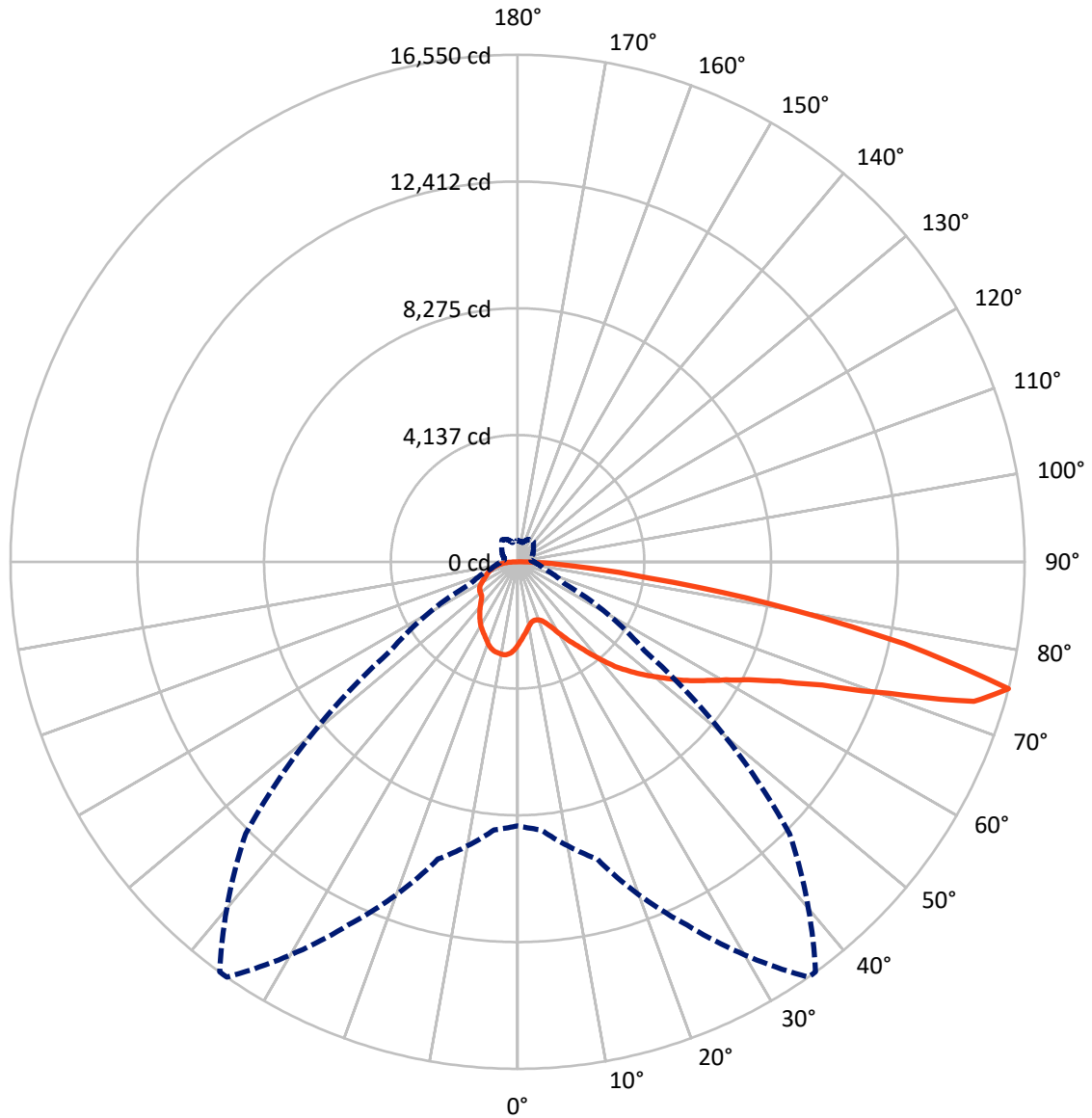
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	4832.1	0.0	4832.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15472.9	0.0	15472.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	20305.0	0.0	20305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	1.3
10°-20°	738.9	3.6
20°-30°	1240.9	6.1
30°-40°	1928.5	9.5
40°-50°	2862.4	14.1
50°-60°	3951.7	19.5
60°-70°	4794.3	23.6
70°-80°	3962.2	19.5
80°-90°	569.9	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°	20305.0	100.0
0°-180°	20305.0	100.0

Coefficient of Utilization

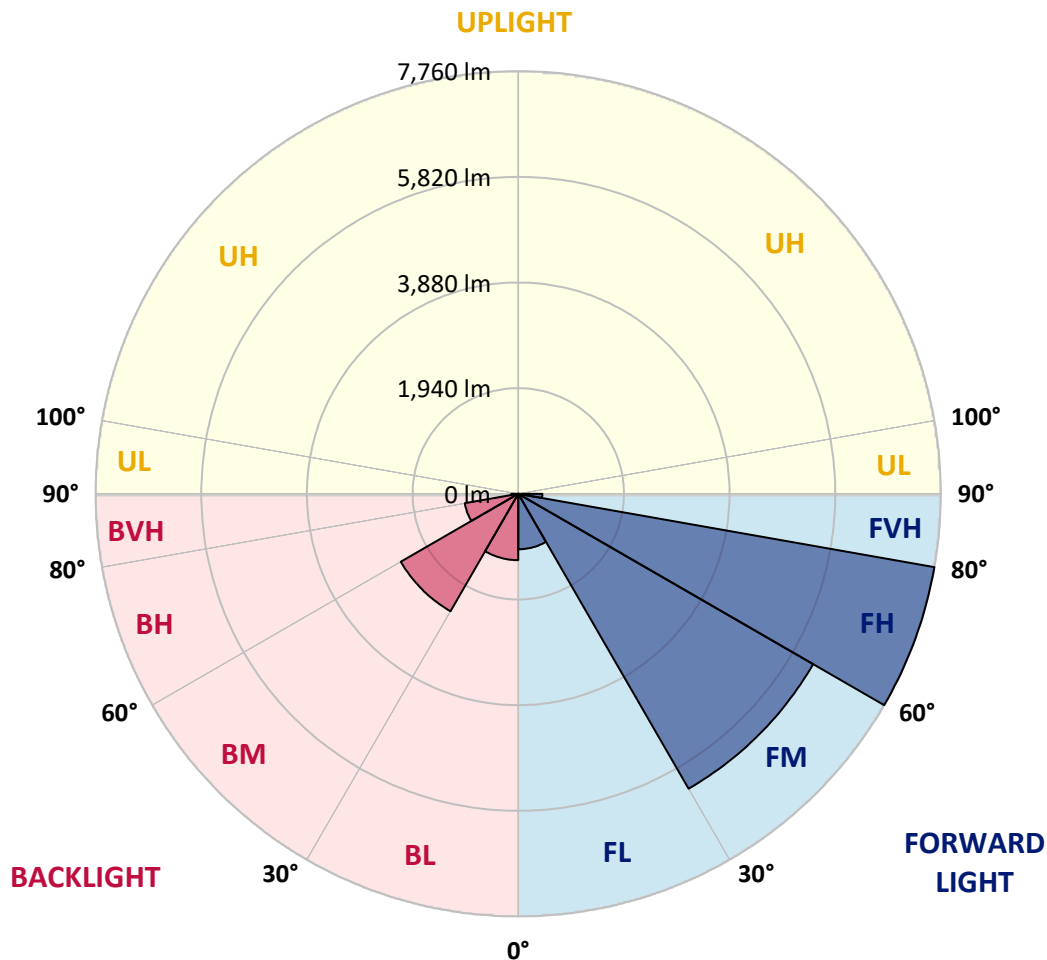


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1018.3	5.0			
FM (30°-60°)	6252.8	30.8			
FH (60°-80°)	7760.3	38.2			G4/12000
FVH (80°-90°)	441.6	2.2			G3/500
BL (0°-30°)	1217.7	6.0	B3/2500		
BM (30°-60°)	2489.8	12.3	B2/2500		
BH (60°-80°)	996.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	128.3	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°	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8
2.5°	2495.0	2510.4	2517.0	2513.7	2530.1	2528.0	2551.0	2579.5	2619.1	2657.5
5°	2302.9	2319.4	2333.7	2346.8	2378.7	2388.5	2424.8	2479.7	2552.1	2625.6
7.5°	2124.0	2138.3	2160.2	2184.4	2238.2	2248.0	2308.4	2394.0	2495.0	2602.6
10°	1978.0	1992.3	2015.3	2042.8	2109.7	2121.8	2198.7	2312.8	2444.5	2580.6
12.5°	1915.4	1919.8	1933.0	1960.5	2018.6	2026.3	2110.8	2241.5	2395.1	2564.2
15°	1912.2	1920.9	1922.0	1936.3	1984.6	1987.9	2065.8	2195.4	2364.4	2560.9
17.5°	1945.1	1951.7	1941.8	1950.6	1991.2	1996.7	2058.1	2173.4	2354.5	2575.2
20°	2032.9	2038.4	2008.8	1996.7	2026.3	2030.7	2091.1	2187.7	2364.4	2604.8
22.5°	2219.5	2222.8	2150.4	2101.0	2103.2	2105.3	2158.0	2245.9	2402.8	2658.6
25°	2510.4	2508.2	2392.9	2297.4	2242.6	2230.5	2265.6	2340.3	2467.6	2729.9
27.5°	2850.7	2834.2	2719.0	2576.3	2456.6	2439.0	2431.4	2463.2	2559.8	2824.3
30°	3234.9	3219.5	3095.5	2908.8	2743.1	2714.6	2642.1	2625.6	2697.0	2952.8
32.5°	3656.4	3646.5	3498.3	3272.2	3050.4	3017.5	2895.7	2851.8	2907.8	3147.0
35°	4009.8	4001.0	3878.1	3645.4	3374.3	3333.7	3209.6	3160.2	3188.8	3396.2
37.5°	4329.2	4324.9	4219.5	4036.2	3756.3	3706.9	3567.5	3551.0	3545.5	3724.4
40°	4625.6	4614.6	4504.9	4408.3	4200.8	4155.8	4032.9	4018.6	3976.9	4128.4
42.5°	4953.8	4925.3	4766.1	4721.1	4665.1	4627.8	4554.3	4556.5	4464.3	4583.9
45°	5221.7	5205.2	5041.6	5015.3	5075.7	5060.3	5124.0	5140.4	4961.5	5061.4
47.5°	5509.3	5493.9	5355.6	5336.9	5500.5	5504.9	5729.9	5735.4	5446.7	5557.5
50°	5863.8	5841.8	5704.6	5727.7	5911.0	5927.5	6339.1	6301.8	5893.4	6061.4
52.5°	6097.6	6110.8	6081.1	6118.5	6368.7	6384.1	6938.4	6842.9	6335.8	6558.6
55°	6269.9	6296.3	6388.5	6474.1	6851.7	6867.1	7503.7	7357.7	6702.4	7019.7
57.5°	6491.7	6454.4	6626.7	6793.5	7310.5	7351.2	8053.7	7853.9	7027.3	7417.0
60°	6810.0	6783.7	6917.6	7164.6	7824.3	7889.0	8635.4	8300.6	7265.5	7732.1
62.5°	7455.4	7389.6	7410.4	7628.9	8471.9	8557.5	9291.9	8690.3	7384.1	7855.0
65°	8420.3	8307.2	8201.9	8353.3	9384.1	9468.6	10032.8	8996.6	7340.2	7616.8
67.5°	9635.4	9523.5	9393.9	9536.6	10727.6	10794.6	10947.2	9168.9	6994.4	6699.1
70°	10637.6	10595.9	10750.7	11337.9	12873.6	12875.8	12119.5	9026.2	6047.1	4749.7
72.5°	10504.8	10479.5	11295.1	13110.7	15578.3	15520.1	13229.2	7946.1	4073.5	2142.7
75°	8617.9	8781.4	10044.9	13078.8	16549.7	16542.0	12549.8	5051.5	1684.9	888.0
77.5°	4621.2	4880.3	6521.3	9656.3	12919.7	13114.0	8823.1	1767.3	723.4	568.6
80°	1507.1	1733.2	2599.3	4916.5	8395.0	8358.8	3781.5	693.7	495.1	402.8
82.5°	639.9	666.3	1161.3	2321.6	4308.4	4241.4	1204.2	398.5	348.0	275.5
85°	250.3	279.9	512.6	1073.5	1866.1	1825.4	434.7	197.6	222.8	180.0
87.5°	82.3	99.9	183.3	367.7	580.7	559.8	106.5	68.1	96.6	82.3
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°
2705.8	0°	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8	2705.8
2713.5	2.5°	2728.8	2746.4	2767.2	2798.0	2824.3	2846.3	2869.3	2883.6	2889.1	2905.6
2717.9	5°	2748.6	2787.0	2838.6	2889.1	2938.5	2968.1	2994.5	3007.6	3019.7	3028.5
2729.9	7.5°	2781.5	2830.9	2912.1	2978.0	3019.7	3043.9	3061.4	3057.0	3061.4	3063.6
2743.1	10°	2810.1	2879.2	2975.8	3038.4	3070.2	3071.3	3066.9	3051.5	3043.9	3045.0
2762.9	12.5°	2844.1	2920.9	3025.2	3077.9	3086.7	3062.5	3043.9	3017.5	3007.6	3003.2
2792.5	15°	2890.2	2978.0	3079.0	3098.7	3076.8	3046.1	3014.2	2971.4	2949.5	2931.9
2843.0	17.5°	2946.2	3042.8	3120.7	3106.4	3059.2	3008.7	2957.1	2892.4	2847.4	2828.7
2912.1	20°	3024.1	3110.8	3152.5	3090.0	3018.6	2941.8	2854.0	2774.9	2733.2	2714.6
3000.0	22.5°	3118.5	3201.9	3183.3	3061.4	2960.4	2837.5	2727.7	2669.6	2648.7	2635.5
3113.0	25°	3231.6	3302.9	3205.2	3019.7	2864.9	2699.2	2614.7	2596.0	2586.1	2576.3
3251.3	27.5°	3378.7	3417.1	3221.7	2958.2	2715.7	2552.1	2521.4	2524.7	2521.4	2504.9
3443.4	30°	3572.9	3565.3	3237.1	2858.4	2544.4	2419.3	2421.5	2435.7	2437.9	2427.0
3711.3	32.5°	3828.7	3750.8	3244.7	2728.8	2380.9	2302.9	2305.1	2320.5	2331.5	2312.8
4061.4	35°	4138.2	3967.0	3232.7	2566.4	2254.6	2192.1	2175.6	2180.0	2183.3	2165.7
4486.2	37.5°	4499.4	4209.6	3178.9	2386.4	2150.4	2083.4	2048.3	2018.6	2001.1	1984.6
4967.0	40°	4895.6	4474.1	3080.1	2210.7	2034.0	1968.1	1915.4	1859.5	1800.2	1778.2
5476.3	42.5°	5310.6	4746.4	2960.4	2042.8	1900.1	1846.3	1790.3	1709.1	1620.2	1575.2
6005.4	45°	5740.9	5025.2	2843.0	1877.0	1762.9	1739.8	1675.1	1577.4	1480.8	1423.7
6535.6	47.5°	6162.4	5288.6	2670.7	1710.2	1634.4	1659.7	1609.2	1519.2	1411.6	1321.6
7061.4	50°	6565.2	5535.6	2388.5	1541.1	1530.2	1635.5	1587.2	1457.7	1334.8	1219.5
7577.3	52.5°	6964.8	5735.4	2027.4	1387.5	1474.2	1629.0	1558.7	1416.0	1265.6	1144.9
8062.5	55°	7304.0	5838.6	1679.4	1255.7	1393.0	1573.0	1524.7	1366.6	1167.9	1039.5
8395.0	57.5°	7497.1	5755.1	1389.7	1126.2	1281.0	1480.8	1466.5	1261.2	1051.6	952.8
8459.8	60°	7413.7	5417.0	1152.6	1013.2	1174.5	1380.9	1365.5	1157.0	962.7	869.4
8112.9	62.5°	6953.8	4772.7	964.9	914.4	1077.9	1278.8	1264.5	1076.8	894.6	804.6
7192.0	65°	6027.4	3882.5	818.9	832.0	980.2	1155.9	1176.7	1009.9	840.8	753.0
5564.1	67.5°	4597.1	2812.3	704.7	760.7	884.7	1035.1	1095.5	961.6	795.8	712.4
3219.5	70°	2620.2	1597.1	608.1	691.5	800.2	923.1	1032.9	923.1	747.5	678.4
1206.3	72.5°	993.4	733.2	525.8	622.4	719.0	828.7	963.8	862.8	691.5	639.9
623.5	75°	530.2	446.8	442.4	541.2	625.7	736.5	877.0	803.5	649.8	676.2
431.4	77.5°	361.1	316.1	369.9	463.2	523.6	634.5	784.8	713.5	563.1	560.9
298.6	80°	250.3	223.9	300.8	373.2	405.0	533.5	685.0	612.5	458.8	428.1
184.4	82.5°	150.4	146.0	225.0	278.8	286.5	411.6	567.5	513.7	375.4	327.1
109.8	85°	82.3	86.7	143.8	163.6	166.8	287.6	444.6	397.4	288.7	242.6
39.5	87.5°	23.1	29.6	52.7	64.8	80.1	149.3	264.5	236.0	144.9	101.0
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°
2705.8
2904.5
3030.7
3066.9
3047.2
3001.1
2937.4
2829.8
2712.4
2637.7
2576.3
2508.2
2432.5
2321.6
2177.8
1995.6
1788.1
1580.7
1419.3
1311.7
1209.6
1131.7
1028.5
939.6
856.2
790.3
738.7
699.2
669.6
631.2
698.1
517.0
409.4
329.3
244.8
101.0
0.0

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