

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: P852582

Luminaire Tested: **GLAN-SB4D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19885 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

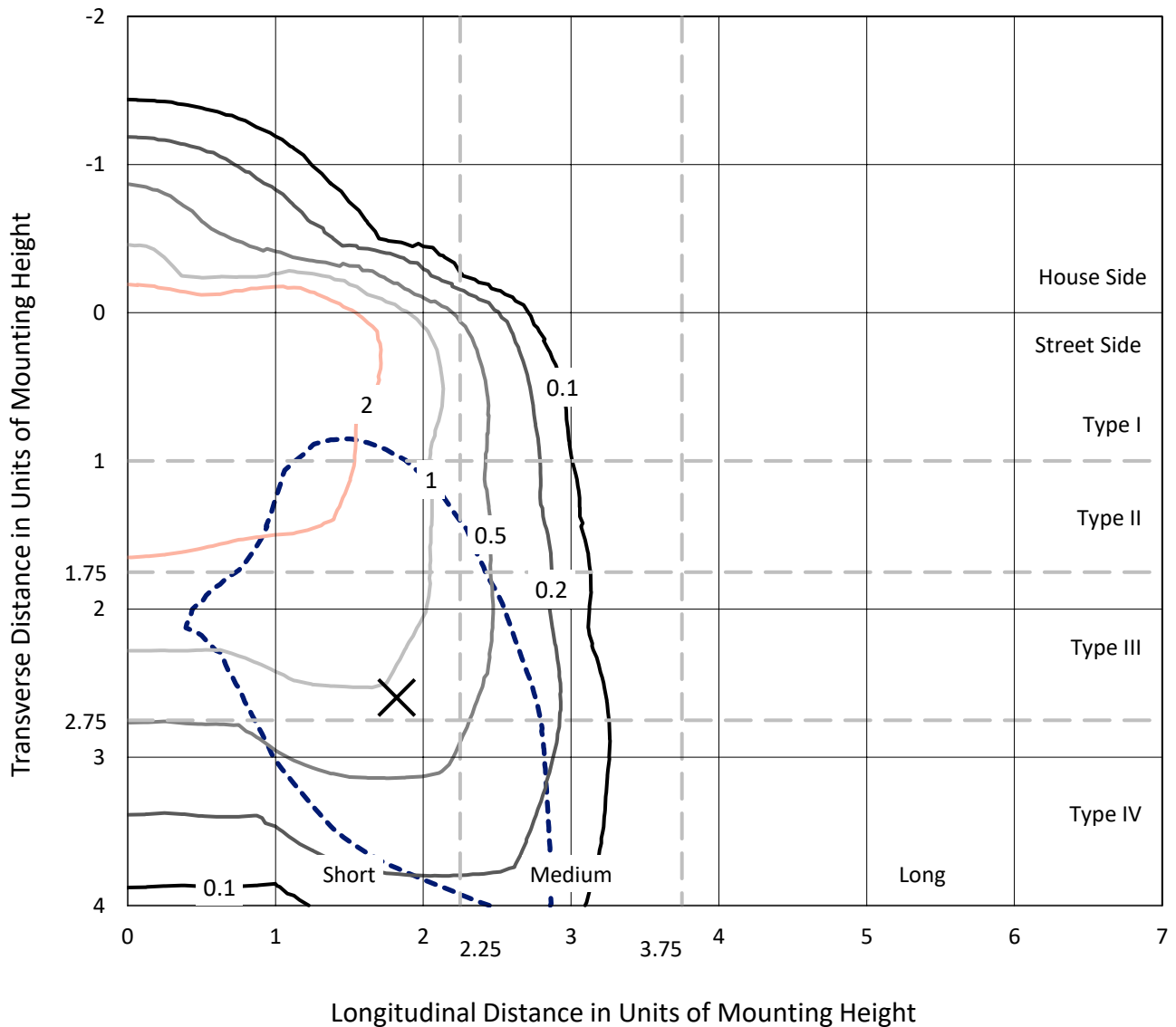
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

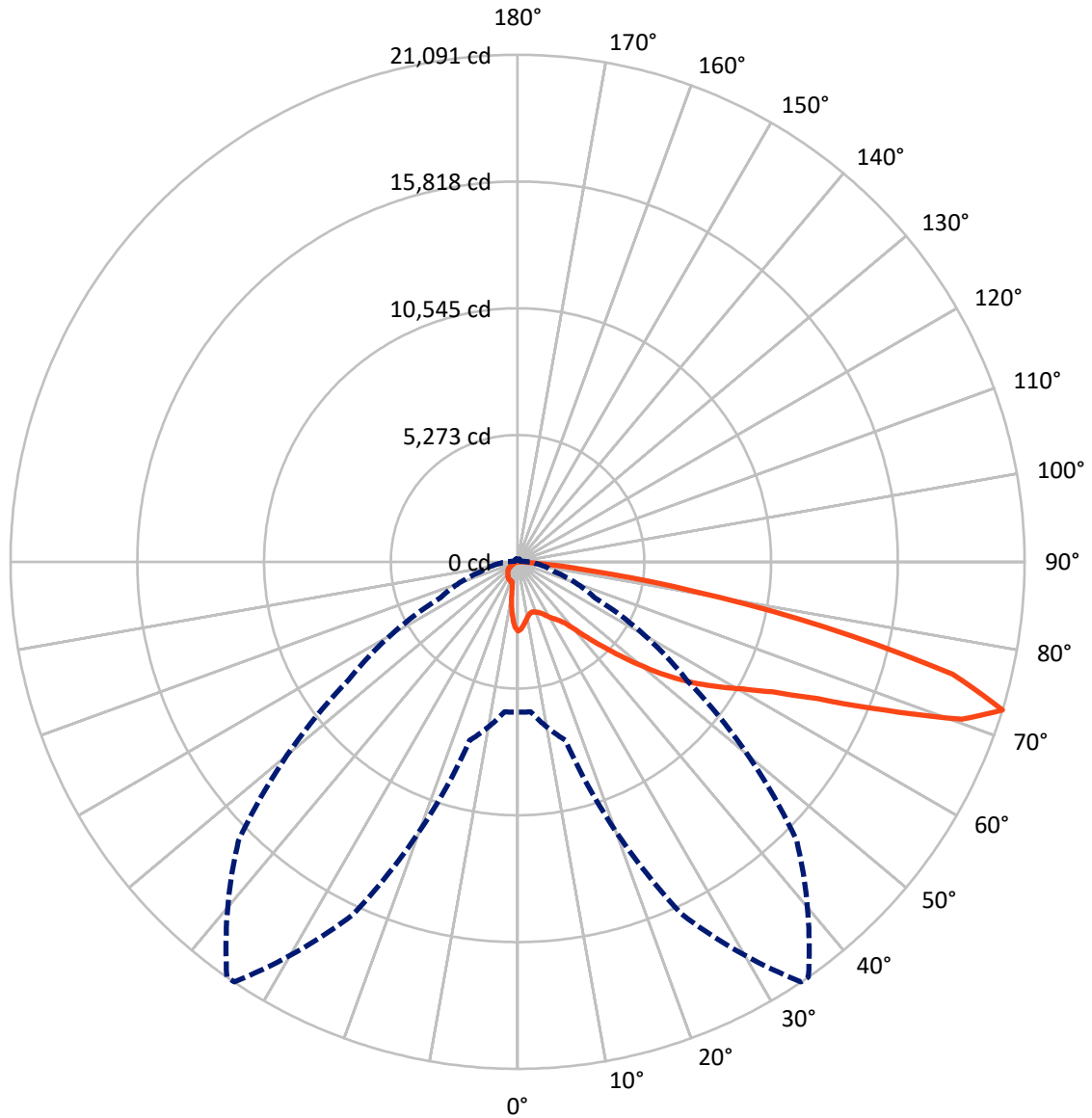
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2238.0	0.0	2238.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17647.0	0.0	17647.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	19885.0	0.0	19885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	1.2
10°-20°	554.0	2.8
20°-30°	900.0	4.5
30°-40°	1501.6	7.6
40°-50°	2841.1	14.3
50°-60°	4514.5	22.7
60°-70°	5584.8	28.1
70°-80°	3471.5	17.5
80°-90°	280.6	1.4
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°	19885.0	100.0
0°-180°	19885.0	100.0

Coefficient of Utilization

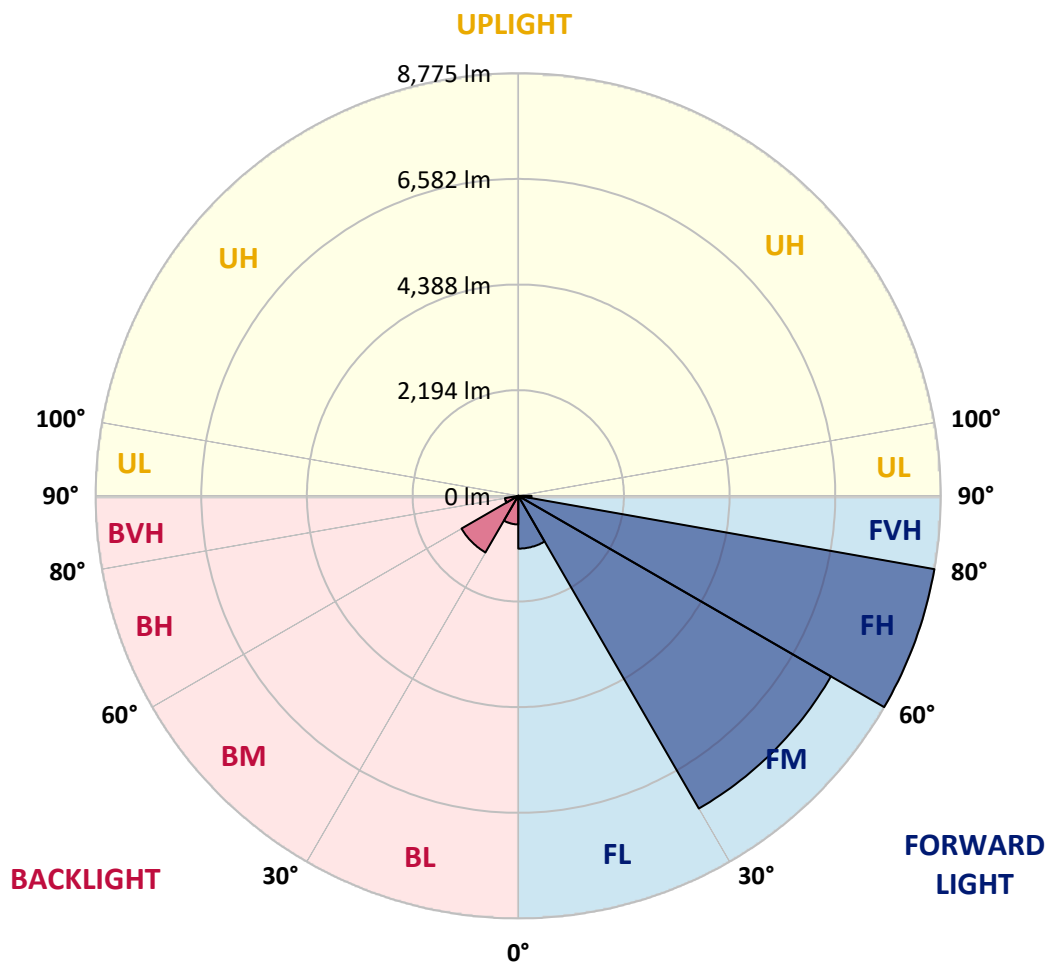


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.2	5.5			
FM (30°-60°)	7498.6	37.7			
FH (60°-80°)	8775.5	44.1			G4/12000
FVH (80°-90°)	276.7	1.4			G3/500
BL (0°-30°)	594.7	3.0	B2/1000		
BM (30°-60°)	1358.6	6.8	B2/2500		
BH (60°-80°)	280.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0
2.5°	2753.8	2777.1	2781.5	2788.8	2788.8	2797.5	2812.1	2832.5	2866.0	2883.5
5°	2538.1	2555.6	2577.5	2595.0	2628.5	2632.9	2689.7	2745.0	2822.3	2880.5
7.5°	2321.0	2341.4	2370.6	2412.8	2456.6	2469.7	2555.6	2648.9	2771.3	2880.5
10°	2168.1	2169.5	2195.7	2238.0	2307.9	2324.0	2428.9	2561.5	2714.4	2863.1
12.5°	2082.1	2092.3	2103.9	2136.0	2203.0	2213.2	2325.4	2481.3	2657.6	2852.9
15°	2082.1	2089.4	2096.7	2112.7	2166.6	2175.3	2274.4	2430.3	2628.5	2857.2
17.5°	2103.9	2115.6	2109.8	2128.7	2185.5	2191.4	2278.8	2415.8	2627.0	2884.9
20°	2156.4	2165.1	2153.5	2165.1	2222.0	2233.6	2324.0	2443.4	2651.8	2933.0
22.5°	2239.5	2243.8	2216.1	2224.9	2283.2	2297.7	2402.6	2522.1	2711.5	3010.2
25°	2344.4	2353.1	2310.8	2321.0	2376.4	2393.9	2514.8	2640.1	2806.2	3116.6
27.5°	2465.3	2469.7	2433.2	2431.8	2503.2	2527.9	2650.3	2785.8	2933.0	3250.6
30°	2603.7	2616.8	2581.9	2576.0	2666.4	2686.8	2807.7	2965.1	3119.5	3451.7
32.5°	2713.0	2723.2	2702.8	2717.4	2809.2	2825.2	2998.6	3218.6	3412.4	3737.3
35°	2870.3	2876.2	2829.6	2855.8	2960.7	3001.5	3259.4	3574.1	3781.0	4095.7
37.5°	3440.0	3440.0	3241.9	3112.2	3212.7	3249.2	3616.3	4021.4	4235.6	4576.5
40°	4228.3	4215.2	3925.2	3660.1	3646.9	3718.3	4124.8	4585.3	4822.8	5153.5
42.5°	5069.0	5048.6	4653.8	4391.5	4347.8	4372.5	4712.0	5280.3	5522.1	5857.3
45°	5815.0	5809.2	5447.8	5095.2	5016.6	5095.2	5444.9	6093.3	6266.7	6619.3
47.5°	6440.1	6440.1	6176.3	5946.1	5905.3	5952.0	6437.2	6995.2	6979.2	7430.8
50°	7159.8	7154.0	6903.4	6804.3	6846.6	6912.1	7579.5	7945.2	7716.4	8227.8
52.5°	7664.0	7698.9	7613.0	7596.9	7812.6	7926.2	8739.3	8874.8	8376.5	8984.0
55°	8063.2	8104.0	8203.1	8315.3	8730.5	8879.1	9862.6	9756.3	8928.7	9639.7
57.5°	8628.5	8570.2	8723.2	8944.7	9616.4	9795.6	10951.0	10588.2	9373.1	10171.5
60°	9314.8	9323.5	9349.8	9629.5	10500.8	10731.0	12023.4	11375.0	9658.6	10497.9
62.5°	10139.5	10152.6	10206.5	10636.3	11688.3	11905.4	13165.7	12019.0	9789.8	10406.1
65°	10082.6	10138.0	10739.8	12209.9	13493.5	13707.7	14498.9	12470.7	9591.6	9566.9
67.5°	9185.1	9275.4	10282.3	14089.5	16215.3	16454.2	16110.4	12559.6	8736.3	7439.6
70°	8007.8	8039.9	9250.7	15779.6	19366.8	19608.7	17552.8	11581.9	6629.5	4149.6
72.5°	6253.6	6260.9	7681.5	16171.6	21077.4	21090.5	16420.7	8597.9	3565.3	1594.0
75°	4467.3	4423.5	5144.8	13114.7	18543.6	18692.2	12310.4	4033.1	1362.3	753.3
77.5°	2395.4	2443.4	2911.1	7777.6	12810.2	13063.7	6716.9	1162.7	693.5	512.9
80°	740.2	781.0	1193.3	3561.0	7256.0	7409.0	2490.1	517.2	483.7	365.7
82.5°	233.1	241.9	556.6	1496.4	3011.7	3081.6	721.2	292.9	330.7	241.9
85°	67.0	68.5	247.7	558.0	744.5	759.1	202.5	113.6	189.4	150.1
87.5°	7.3	23.3	93.2	93.2	65.6	64.1	21.9	24.8	53.9	18.9
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°
2882.0	0°	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0	2882.0
2895.1	2.5°	2887.8	2889.3	2870.3	2838.3	2803.3	2774.2	2737.8	2708.6	2688.2	2682.4
2921.3	5°	2908.2	2898.0	2844.1	2746.5	2629.9	2529.4	2417.2	2328.3	2270.1	2245.3
2949.0	7.5°	2938.8	2909.7	2791.7	2599.3	2376.4	2178.3	1977.2	1821.3	1722.2	1672.7
2975.3	10°	2965.1	2906.8	2704.2	2386.6	2045.7	1745.5	1474.5	1286.6	1181.7	1132.1
3005.9	12.5°	2989.8	2905.3	2590.6	2134.5	1672.7	1305.5	1053.4	960.2	931.0	920.8
3055.4	15°	3036.4	2909.7	2447.8	1846.1	1301.1	986.4	894.6	893.2	899.0	896.1
3131.2	17.5°	3100.6	2914.1	2286.1	1540.1	1003.9	869.8	865.5	878.6	887.3	883.0
3225.9	20°	3183.6	2931.5	2114.1	1237.0	862.6	840.7	850.9	862.6	869.8	862.6
3352.6	22.5°	3300.2	2962.1	1926.2	993.7	817.4	823.2	832.0	845.1	852.4	842.2
3514.4	25°	3443.0	3010.2	1741.1	864.0	795.5	802.8	815.9	830.5	839.2	829.0
3718.3	27.5°	3628.0	3087.4	1570.7	834.9	773.7	778.1	797.0	818.9	830.5	817.4
4008.3	30°	3896.1	3214.2	1423.5	848.0	760.6	750.4	776.6	807.2	820.3	808.7
4403.1	32.5°	4251.6	3393.4	1333.2	868.4	754.7	718.3	743.1	782.4	804.3	797.0
4918.9	35°	4717.9	3665.9	1298.2	891.7	750.4	684.8	702.3	744.5	782.4	789.7
5568.8	37.5°	5283.2	4044.7	1308.4	901.9	737.3	657.1	665.9	702.3	751.8	775.1
6300.2	40°	5925.7	4486.2	1366.7	891.7	722.7	633.8	635.3	662.9	706.7	741.6
7087.0	42.5°	6588.7	5002.0	1474.5	853.8	709.6	613.4	609.0	628.0	657.1	681.9
7872.3	45°	7219.6	5532.3	1580.9	801.4	693.5	593.0	582.8	590.1	595.9	606.1
8637.3	47.5°	7770.3	5905.3	1550.3	753.3	671.7	569.7	552.2	549.3	531.8	530.4
9320.6	50°	8150.6	5986.9	1376.9	705.2	639.6	543.5	515.8	498.3	467.7	453.1
9832.0	52.5°	8271.6	5664.9	1124.8	657.1	587.2	508.5	469.2	441.5	403.6	390.5
10126.4	55°	8111.3	5034.0	899.0	598.8	514.3	461.9	418.2	381.7	351.1	335.1
10158.4	57.5°	7719.3	4231.2	711.0	530.4	437.1	409.4	365.7	329.3	303.1	287.0
9802.9	60°	7069.5	3359.9	562.4	448.8	373.0	352.6	307.4	284.1	260.8	241.9
8885.0	62.5°	6083.1	2398.3	441.5	355.5	311.8	288.5	262.3	244.8	217.1	190.9
7234.1	65°	4747.0	1467.2	340.9	260.8	250.6	239.0	222.9	206.9	173.4	147.2
4719.3	67.5°	2994.2	695.0	243.3	196.7	198.2	192.3	185.0	171.9	147.2	123.8
2114.1	70°	1318.6	336.6	160.3	150.1	147.2	147.2	153.0	148.6	125.3	103.4
734.3	72.5°	448.8	180.7	119.5	113.6	106.4	104.9	128.2	123.8	100.5	80.1
365.7	75°	234.6	120.9	87.4	81.6	64.1	77.2	102.0	96.2	71.4	52.5
241.9	77.5°	153.0	86.0	59.7	52.5	36.4	51.0	75.8	67.0	42.3	26.2
158.8	80°	96.2	56.8	35.0	24.8	17.5	27.7	40.8	29.1	16.0	5.8
93.2	82.5°	51.0	29.1	13.1	8.7	7.3	8.7	10.2	7.3	2.9	0.0
48.1	85°	20.4	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.7	87.5°	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2882.0
2692.6
2254.0
1680.0
1133.6
917.9
894.6
881.5
861.1
840.7
827.6
817.4
807.2
797.0
789.7
781.0
753.3
692.1
612.0
528.9
454.6
389.0
335.1
284.1
237.5
186.5
142.8
120.9
99.1
75.8
48.1
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