

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: P942798

Luminaire Tested: **GLAN-SB7A-722-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

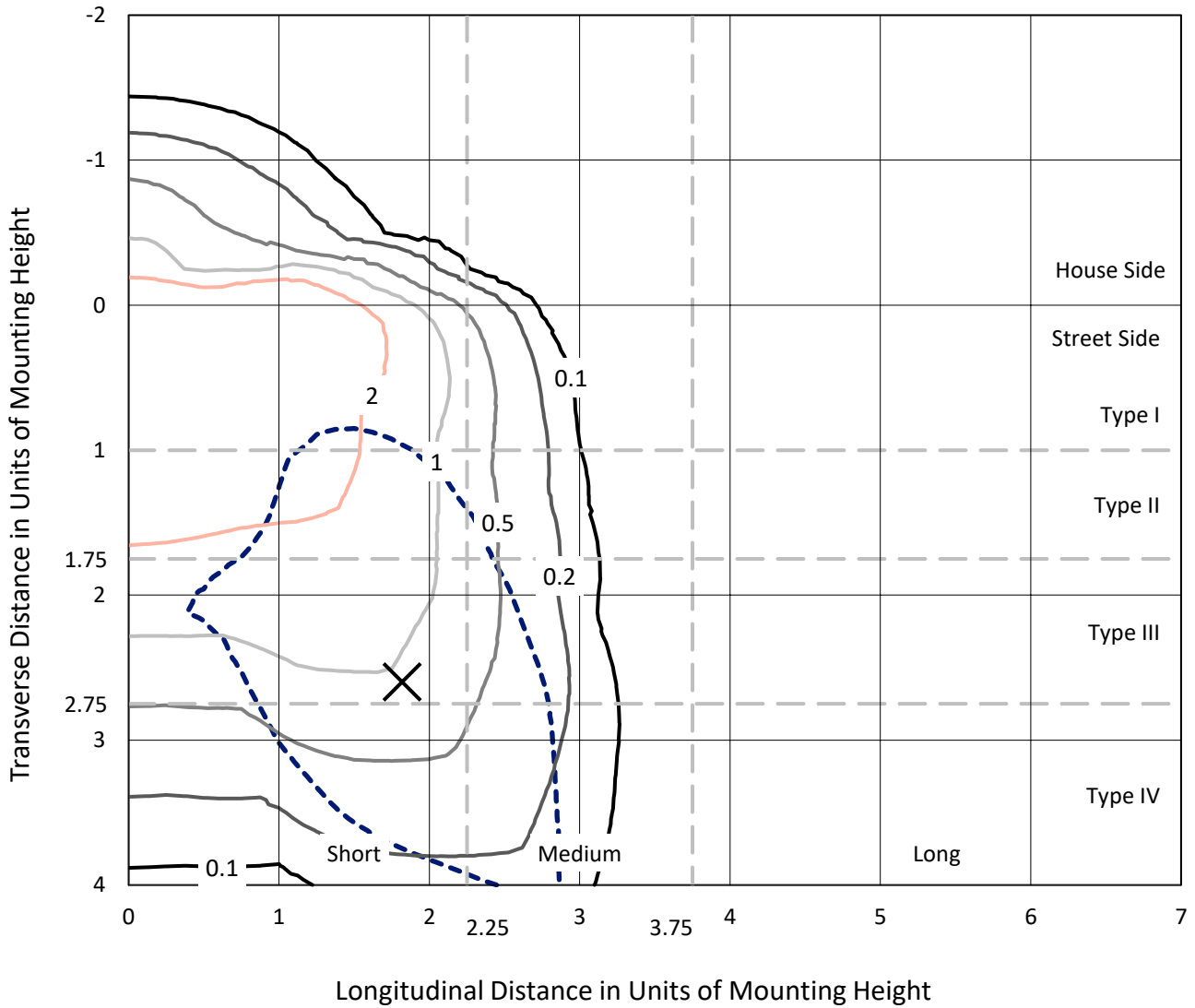
Lumens per Lamp: N/A  
Luminaire Lumens: 19953 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

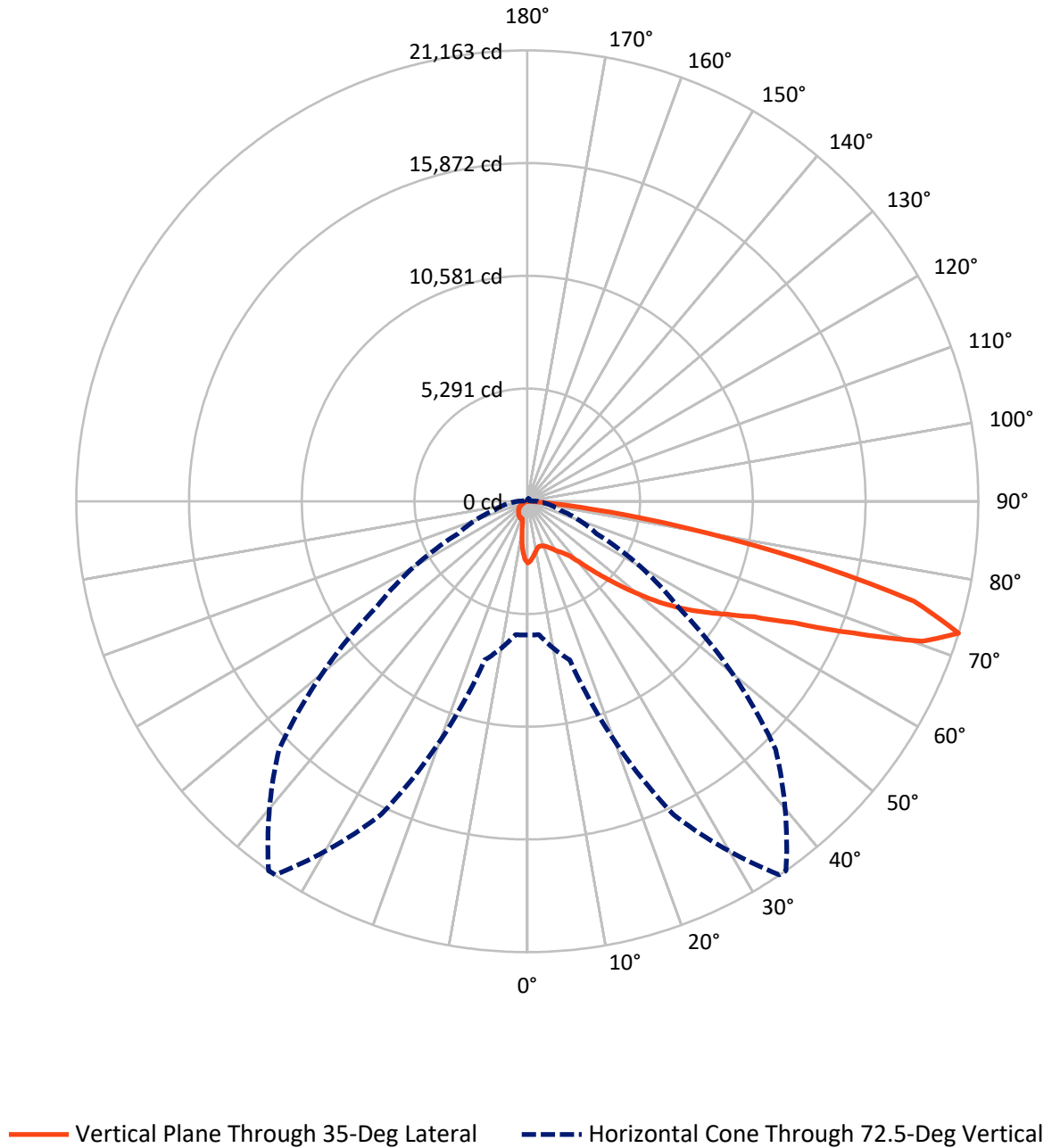
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2245.6	0.0	2245.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	17707.4	0.0	17707.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	19953.0	0.0	19953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.6	1.2
10°-20°	555.9	2.8
20°-30°	903.1	4.5
30°-40°	1506.8	7.6
40°-50°	2850.8	14.3
50°-60°	4530.0	22.7
60°-70°	5603.9	28.1
70°-80°	3483.4	17.5
80°-90°	281.5	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°	19953.0	100.0
0°-180°	19953.0	100.0

**Coefficient of Utilization**



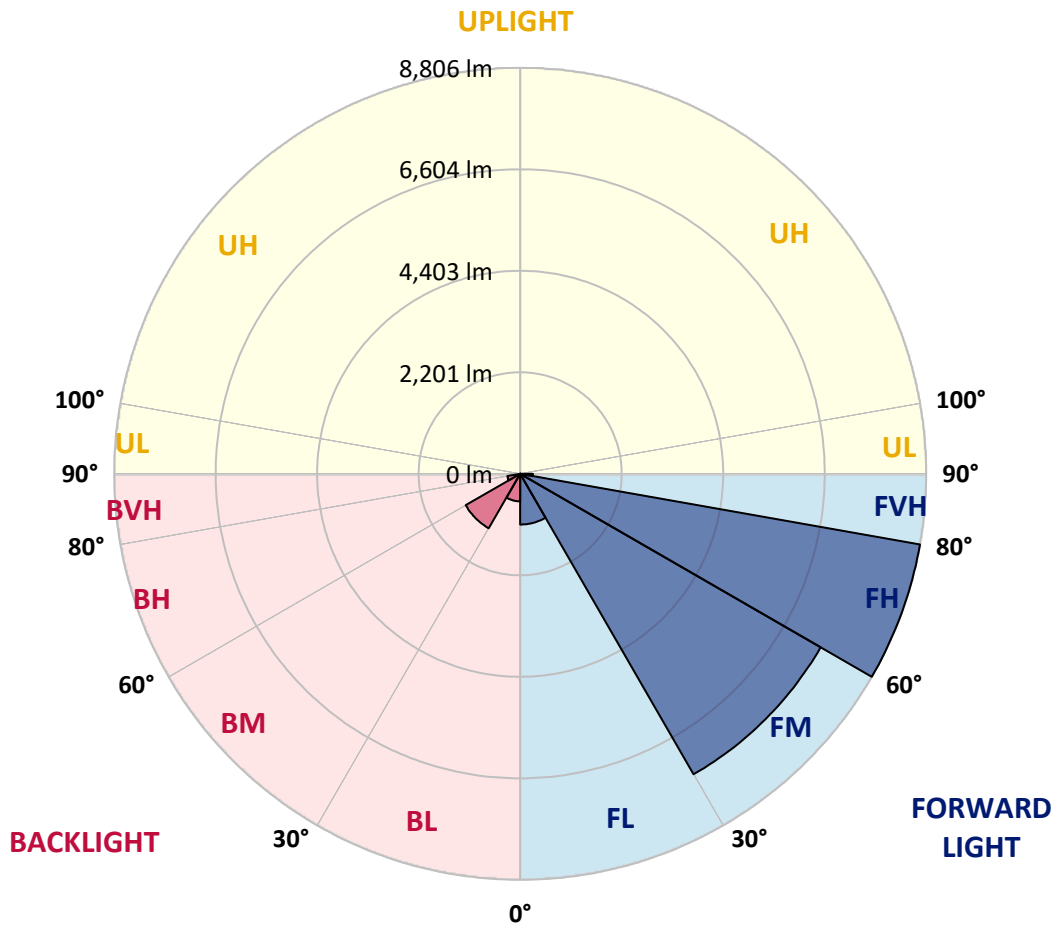
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.9	5.5			
FM (30°-60°)	7524.3	37.7			
FH (60°-80°)	8805.5	44.1			G4/12000
FVH (80°-90°)	277.7	1.4			G3/500
BL (0°-30°)	596.7	3.0	B2/1000		
BM (30°-60°)	1363.3	6.8	B2/2500		
BH (60°-80°)	281.8	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°	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9
2.5°	2763.2	2786.6	2791.0	2798.3	2798.3	2807.1	2821.7	2842.2	2875.8	2893.3
5°	2546.8	2564.4	2586.3	2603.8	2637.5	2641.9	2698.9	2754.4	2831.9	2890.4
7.5°	2329.0	2349.5	2378.7	2421.1	2465.0	2478.1	2564.4	2657.9	2780.7	2890.4
10°	2175.5	2176.9	2203.3	2245.6	2315.8	2331.9	2437.2	2570.2	2723.7	2872.9
12.5°	2089.2	2099.4	2111.1	2143.3	2210.6	2220.8	2333.4	2489.8	2666.7	2862.6
15°	2089.2	2096.5	2103.8	2119.9	2174.0	2182.8	2282.2	2438.6	2637.5	2867.0
17.5°	2111.1	2122.8	2117.0	2136.0	2193.0	2198.9	2286.6	2424.0	2636.0	2894.8
20°	2163.8	2172.5	2160.9	2172.5	2229.6	2241.3	2331.9	2451.8	2660.9	2943.0
22.5°	2247.1	2251.5	2223.7	2232.5	2291.0	2305.6	2410.9	2530.7	2720.8	3020.5
25°	2352.4	2361.1	2318.8	2329.0	2384.5	2402.1	2523.4	2649.2	2815.8	3127.2
27.5°	2473.7	2478.1	2441.6	2440.1	2511.7	2536.6	2659.4	2795.4	2943.0	3261.7
30°	2612.6	2625.8	2590.7	2584.8	2675.5	2695.9	2817.3	2975.2	3130.2	3463.5
32.5°	2722.3	2732.5	2712.0	2726.7	2818.8	2834.8	3008.8	3229.6	3424.0	3750.1
35°	2880.2	2886.0	2839.2	2865.5	2970.8	3011.7	3270.5	3586.3	3793.9	4109.7
37.5°	3451.8	3451.8	3253.0	3122.9	3223.7	3260.3	3628.7	4035.2	4250.1	4592.2
40°	4242.8	4229.6	3938.7	3672.6	3659.4	3731.1	4139.0	4601.0	4839.3	5171.1
42.5°	5086.3	5065.9	4669.7	4406.5	4362.6	4387.5	4728.1	5298.3	5541.0	5877.3
45°	5834.9	5829.0	5466.5	5112.7	5033.7	5112.7	5463.5	6114.1	6288.1	6641.9
47.5°	6462.1	6462.1	6197.5	5966.5	5925.5	5972.3	6459.2	7019.1	7003.0	7456.3
50°	7184.3	7178.5	6927.0	6827.6	6870.0	6935.8	7605.4	7972.3	7742.8	8256.0
52.5°	7690.2	7725.3	7639.0	7622.9	7839.3	7953.3	8769.1	8905.1	8405.1	9014.8
55°	8090.8	8131.7	8231.1	8343.7	8760.4	8909.5	9896.4	9789.6	8959.2	9672.7
57.5°	8658.0	8599.6	8753.1	8975.3	9649.3	9829.1	10988.5	10624.4	9405.1	10206.3
60°	9346.6	9355.4	9381.7	9662.4	10536.7	10767.7	12064.5	11413.9	9691.7	10533.8
62.5°	10174.1	10187.3	10241.4	10672.7	11728.3	11946.1	13210.7	12060.1	9823.3	10441.7
65°	10117.1	10172.7	10776.5	12251.7	13539.7	13754.6	14548.5	12513.4	9624.4	9599.6
67.5°	9216.5	9307.2	10317.4	14137.7	16270.7	16510.5	16165.5	12602.5	8766.2	7465.0
70°	8035.2	8067.4	9282.3	15833.6	19433.1	19675.8	17612.9	11621.5	6652.2	4163.8
72.5°	6275.0	6282.3	7707.7	16226.9	21149.5	21162.6	16476.9	8627.3	3577.5	1599.4
75°	4482.5	4438.7	5162.4	13159.6	18607.0	18756.1	12352.5	4046.8	1367.0	755.9
77.5°	2403.5	2451.8	2921.1	7804.2	12854.0	13108.4	6739.9	1166.7	695.9	514.6
80°	742.7	783.6	1197.4	3573.2	7280.8	7434.3	2498.6	519.0	485.4	367.0
82.5°	233.9	242.7	558.5	1501.5	3022.0	3092.2	723.7	293.9	331.9	242.7
85°	67.3	68.7	248.5	560.0	747.1	761.7	203.2	114.0	190.1	150.6
87.5°	7.3	23.4	93.6	93.6	65.8	64.3	21.9	24.9	54.1	19.0
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°
2891.9	0°	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9	2891.9
2905.0	2.5°	2897.7	2899.2	2880.2	2848.0	2812.9	2783.7	2747.1	2717.9	2697.4	2691.6
2931.3	5°	2918.2	2907.9	2853.8	2755.9	2638.9	2538.1	2425.5	2336.3	2277.8	2253.0
2959.1	7.5°	2948.9	2919.6	2801.2	2608.2	2384.5	2185.7	1983.9	1827.5	1728.1	1678.4
2985.4	10°	2975.2	2916.7	2713.5	2394.8	2052.7	1751.5	1479.6	1291.0	1185.7	1136.0
3016.1	12.5°	3000.0	2915.3	2599.5	2141.8	1678.4	1310.0	1057.0	963.5	934.2	924.0
3065.8	15°	3046.8	2919.6	2456.2	1852.4	1305.6	989.8	897.7	896.2	902.1	899.1
3141.9	17.5°	3111.2	2924.0	2293.9	1545.3	1007.3	872.8	868.4	881.6	890.4	886.0
3236.9	20°	3194.5	2941.6	2121.4	1241.2	865.5	843.6	853.8	865.5	872.8	865.5
3364.1	22.5°	3311.5	2972.3	1932.8	997.1	820.2	826.0	834.8	848.0	855.3	845.0
3526.4	25°	3454.7	3020.5	1747.1	867.0	798.3	805.6	818.7	833.3	842.1	831.9
3731.1	27.5°	3640.4	3098.0	1576.0	837.7	776.3	780.7	799.7	821.7	833.3	820.2
4022.0	30°	3909.4	3225.2	1428.4	850.9	763.2	752.9	779.3	810.0	823.1	811.4
4418.2	32.5°	4266.1	3405.0	1337.7	871.4	757.3	720.8	745.6	785.1	807.0	799.7
4935.8	35°	4734.0	3678.4	1302.7	894.8	752.9	687.1	704.7	747.1	785.1	792.4
5587.8	37.5°	5301.3	4058.5	1312.9	905.0	739.8	659.4	668.1	704.7	754.4	777.8
6321.7	40°	5946.0	4501.5	1371.4	894.8	725.2	636.0	637.4	665.2	709.1	744.2
7111.2	42.5°	6611.2	5019.1	1479.6	856.7	712.0	615.5	611.1	630.1	659.4	684.2
7899.2	45°	7244.3	5551.3	1586.3	804.1	695.9	595.0	584.8	592.1	598.0	608.2
8666.8	47.5°	7796.9	5925.5	1555.6	755.9	674.0	571.6	554.1	551.2	533.6	532.2
9352.5	50°	8178.5	6007.4	1381.6	707.6	641.8	545.3	517.6	500.0	469.3	454.7
9865.7	52.5°	8299.8	5684.3	1128.7	659.4	589.2	510.2	470.8	443.0	405.0	391.8
10161.0	55°	8139.0	5051.2	902.1	600.9	516.1	463.5	419.6	383.0	352.3	336.3
10193.1	57.5°	7745.7	4245.7	713.5	532.2	438.6	410.8	367.0	330.4	304.1	288.0
9836.4	60°	7093.7	3371.4	564.3	450.3	374.3	353.8	308.5	285.1	261.7	242.7
8915.3	62.5°	6103.9	2406.5	443.0	356.7	312.9	289.5	263.2	245.6	217.8	191.5
7258.9	65°	4763.2	1472.2	342.1	261.7	251.5	239.8	223.7	207.6	174.0	147.7
4735.5	67.5°	3004.4	697.4	244.2	197.4	198.8	193.0	185.7	172.5	147.7	124.3
2121.4	70°	1323.1	337.7	160.8	150.6	147.7	147.7	153.5	149.1	125.7	103.8
736.9	72.5°	450.3	181.3	119.9	114.0	106.7	105.3	128.7	124.3	100.9	80.4
367.0	75°	235.4	121.3	87.7	81.9	64.3	77.5	102.3	96.5	71.6	52.6
242.7	77.5°	153.5	86.3	59.9	52.6	36.6	51.2	76.0	67.3	42.4	26.3
159.4	80°	96.5	57.0	35.1	24.9	17.5	27.8	40.9	29.2	16.1	5.8
93.6	82.5°	51.2	29.2	13.2	8.8	7.3	8.8	10.2	7.3	2.9	0.0
48.2	85°	20.5	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.8	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



<u>180°</u>
2891.9
2701.8
2261.7
1685.7
1137.4
921.1
897.7
884.5
864.0
843.6
830.4
820.2
810.0
799.7
792.4
783.6
755.9
694.5
614.0
530.7
456.1
390.4
336.3
285.1
238.3
187.1
143.3
121.3
99.4
76.0
48.2
23.4
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