

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: P852866

Luminaire Tested: **GLAN-SB7A-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852866
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-SB7A-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 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: 21480 lumens
Efficiency: N/A
Efficacy: 107.9 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

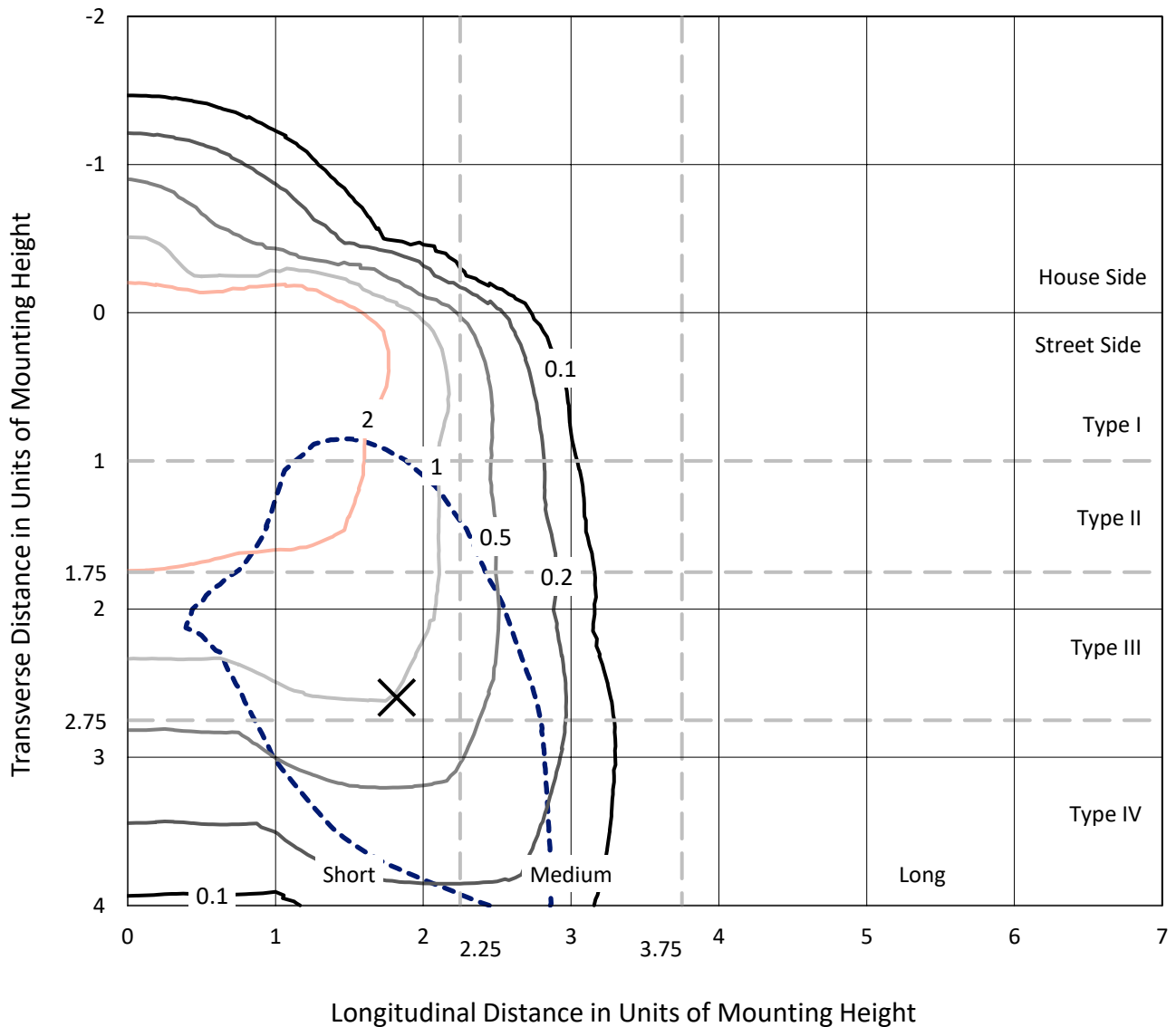
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

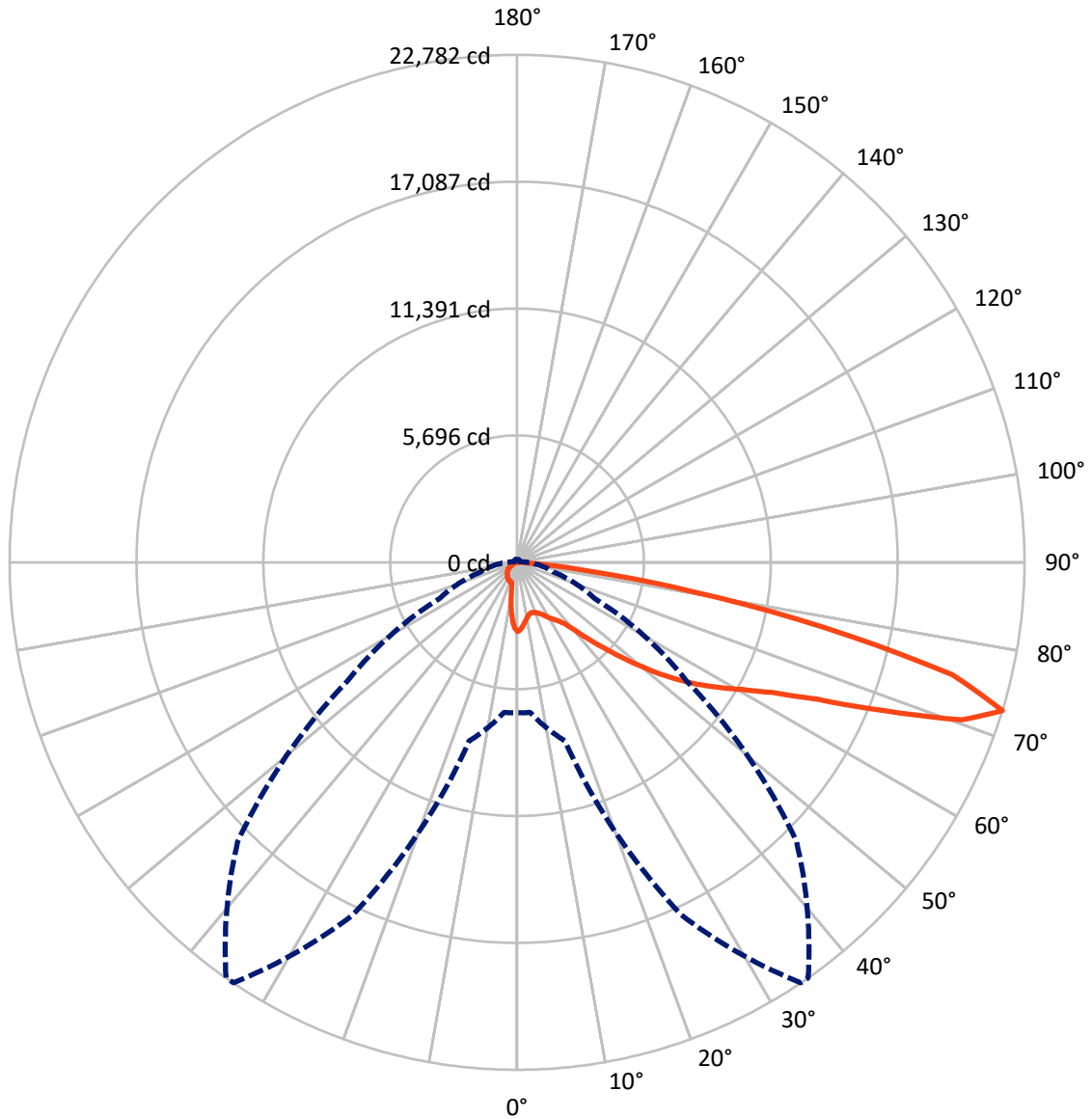
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	2417.5	0.0	2417.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19062.5	0.0	19062.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	21480.0	0.0	21480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.2
10°-20°	598.5	2.8
20°-30°	972.2	4.5
30°-40°	1622.1	7.6
40°-50°	3069.0	14.3
50°-60°	4876.6	22.7
60°-70°	6032.7	28.1
70°-80°	3750.0	17.5
80°-90°	303.1	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°	21480.0	100.0
0°-180°	21480.0	100.0

Coefficient of Utilization



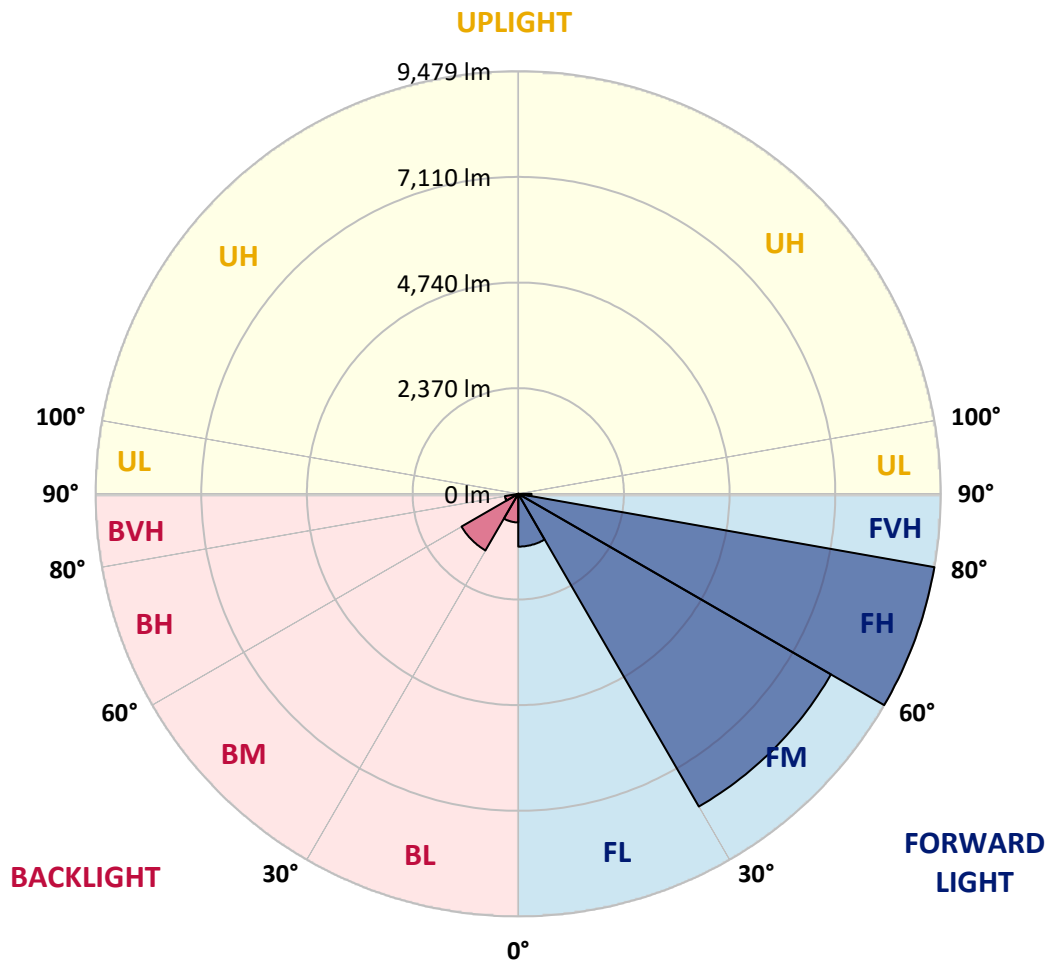
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1184.1	5.5			
FM (30°-60°)	8100.1	37.7			
FH (60°-80°)	9479.4	44.1			G4/12000
FVH (80°-90°)	298.9	1.4			G3/500
BL (0°-30°)	642.4	3.0	B2/1000		
BM (30°-60°)	1467.6	6.8	B2/2500		
BH (60°-80°)	303.4	1.4	B1/500		G1/500
BVH (80°-90°)	4.1	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°	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2
2.5°	2974.7	2999.9	3004.6	3012.4	3012.4	3021.9	3037.6	3059.7	3095.9	3114.7
5°	2741.7	2760.6	2784.2	2803.1	2839.3	2844.0	2905.4	2965.2	3048.6	3111.6
7.5°	2507.2	2529.3	2560.7	2606.4	2653.6	2667.8	2760.6	2861.3	2993.6	3111.6
10°	2342.0	2343.5	2371.9	2417.5	2493.1	2510.4	2623.7	2766.9	2932.2	3092.7
12.5°	2249.1	2260.1	2272.7	2307.3	2379.7	2390.8	2511.9	2680.3	2870.8	3081.7
15°	2249.1	2257.0	2264.8	2282.2	2340.4	2349.8	2456.9	2625.3	2839.3	3086.4
17.5°	2272.7	2285.3	2279.0	2299.5	2360.8	2367.1	2461.6	2609.5	2837.7	3116.3
20°	2329.4	2338.8	2326.2	2338.8	2400.2	2412.8	2510.4	2639.4	2864.5	3168.3
22.5°	2419.1	2423.8	2393.9	2403.3	2466.3	2482.0	2595.4	2724.4	2929.0	3251.7
25°	2532.4	2541.8	2496.2	2507.2	2567.0	2585.9	2716.5	2851.9	3031.3	3366.6
27.5°	2663.0	2667.8	2628.4	2626.8	2704.0	2730.7	2862.9	3009.3	3168.3	3511.4
30°	2812.6	2826.7	2788.9	2782.7	2880.2	2902.3	3032.9	3202.9	3369.7	3728.6
32.5°	2930.6	2941.6	2919.6	2935.3	3034.5	3051.8	3239.1	3476.7	3686.1	4037.1
35°	3100.6	3106.9	3056.5	3084.8	3198.2	3242.2	3520.8	3860.8	4084.3	4424.2
37.5°	3716.0	3716.0	3501.9	3361.8	3470.4	3509.8	3906.4	4344.0	4575.3	4943.6
40°	4567.5	4553.3	4240.1	3953.6	3939.5	4016.6	4455.7	4953.1	5209.6	5566.9
42.5°	5475.6	5453.6	5027.0	4743.7	4696.5	4723.3	5090.0	5703.8	5965.1	6327.1
45°	6281.4	6275.1	5884.8	5503.9	5418.9	5503.9	5881.7	6582.0	6769.3	7150.2
47.5°	6956.6	6956.6	6671.8	6423.1	6379.0	6429.4	6953.5	7556.3	7539.0	8026.9
50°	7734.1	7727.8	7457.1	7350.1	7395.8	7466.6	8187.4	8582.5	8335.4	8887.8
52.5°	8278.7	8316.5	8223.6	8206.3	8439.2	8562.0	9440.2	9586.6	9048.3	9704.7
55°	8710.0	8754.0	8861.1	8982.2	9430.8	9591.3	10653.7	10538.8	9644.9	10412.9
57.5°	9320.6	9257.7	9422.9	9662.2	10387.7	10581.3	11829.4	11437.5	10124.9	10987.4
60°	10061.9	10071.4	10099.7	10401.9	11343.1	11591.8	12987.8	12287.4	10433.4	11339.9
62.5°	10952.8	10966.9	11025.2	11489.5	12625.8	12860.3	14221.8	12983.1	10575.0	11240.8
65°	10891.4	10951.2	11601.2	13189.3	14575.9	14807.2	15661.9	13471.0	10361.0	10334.2
67.5°	9921.9	10019.4	11107.0	15219.6	17515.9	17774.0	17402.6	13567.0	9437.1	8036.3
70°	8650.1	8684.8	9992.7	17045.3	20920.3	21181.5	18960.8	12510.9	7161.2	4482.5
72.5°	6755.2	6763.0	8297.6	17468.7	22768.0	22782.2	17737.8	9287.6	3851.3	1721.8
75°	4825.6	4778.4	5557.4	14166.7	20031.0	20191.6	13297.9	4356.6	1471.6	813.7
77.5°	2587.5	2639.4	3144.7	8401.5	13837.7	14111.6	7255.7	1256.0	749.2	554.0
80°	799.5	843.6	1289.0	3846.6	7838.0	8003.3	2689.8	558.7	522.5	395.0
82.5°	251.8	261.3	601.2	1616.4	3253.2	3328.8	779.1	316.4	357.3	261.3
85°	72.4	74.0	267.6	602.8	804.3	820.0	218.8	122.8	204.6	162.1
87.5°	7.9	25.2	100.7	100.7	70.8	69.3	23.6	26.8	58.2	20.5
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°
3113.2	0°	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2	3113.2
3127.3	2.5°	3119.5	3121.0	3100.6	3066.0	3028.2	2996.7	2957.4	2925.9	2903.8	2897.5
3155.7	5°	3141.5	3130.5	3072.3	2966.8	2840.9	2732.3	2611.1	2515.1	2452.1	2425.4
3185.6	7.5°	3174.6	3143.1	3015.6	2807.8	2567.0	2353.0	2135.8	1967.4	1860.3	1806.8
3213.9	10°	3202.9	3139.9	2921.2	2578.0	2209.8	1885.5	1592.8	1389.8	1276.4	1222.9
3247.0	12.5°	3229.6	3138.4	2798.4	2305.8	1806.8	1410.2	1137.9	1037.2	1005.7	994.7
3300.5	15°	3280.0	3143.1	2644.2	1994.1	1405.5	1065.5	966.4	964.8	971.1	967.9
3382.3	17.5°	3349.3	3147.8	2469.4	1663.6	1084.4	939.6	934.9	949.1	958.5	953.8
3484.6	20°	3439.0	3166.7	2283.7	1336.2	931.7	908.1	919.2	931.7	939.6	931.7
3621.5	22.5°	3564.9	3199.7	2080.7	1073.4	883.0	889.3	898.7	912.9	920.7	909.7
3796.2	25°	3719.1	3251.7	1880.8	933.3	859.3	867.2	881.4	897.1	906.6	895.5
4016.6	27.5°	3919.0	3335.1	1696.7	901.8	835.7	840.5	860.9	884.5	897.1	883.0
4329.8	30°	4208.6	3472.0	1537.7	916.0	821.6	810.6	838.9	871.9	886.1	873.5
4756.3	32.5°	4592.6	3665.6	1440.1	938.0	815.3	775.9	802.7	845.2	868.8	860.9
5313.5	35°	5096.3	3959.9	1402.3	963.2	810.6	739.7	758.6	804.3	845.2	853.1
6015.4	37.5°	5707.0	4369.1	1413.4	974.2	796.4	709.8	719.3	758.6	812.1	837.3
6805.5	40°	6401.0	4846.0	1476.3	963.2	780.7	684.6	686.2	716.1	763.3	801.1
7655.4	42.5°	7117.2	5403.2	1592.8	922.3	766.5	662.6	657.9	678.4	709.8	736.6
8503.8	45°	7798.7	5976.1	1707.7	865.6	749.2	640.6	629.6	637.4	643.7	654.7
9330.1	47.5°	8393.6	6379.0	1674.6	813.7	725.6	615.4	596.5	593.4	574.5	572.9
10068.2	50°	8804.4	6467.2	1487.3	761.8	690.9	587.1	557.2	538.3	505.2	489.5
10620.7	52.5°	8935.0	6119.3	1215.1	709.8	634.3	549.3	506.8	476.9	436.0	421.8
10938.6	55°	8761.9	5437.8	971.1	646.9	555.6	498.9	451.7	412.4	379.3	362.0
10973.2	57.5°	8338.5	4570.6	768.1	572.9	472.2	442.3	395.0	355.7	327.4	310.1
10589.2	60°	7636.6	3629.4	607.5	484.8	402.9	380.9	332.1	306.9	281.7	261.3
9597.6	62.5°	6571.0	2590.6	476.9	384.0	336.8	311.6	283.3	264.4	234.5	206.2
7814.4	65°	5127.8	1584.9	368.3	281.7	270.7	258.1	240.8	223.5	187.3	159.0
5097.9	67.5°	3234.4	750.7	262.8	212.5	214.1	207.8	199.9	185.7	159.0	133.8
2283.7	70°	1424.4	363.6	173.1	162.1	159.0	159.0	165.3	160.5	135.4	111.7
793.2	72.5°	484.8	195.2	129.1	122.8	114.9	113.3	138.5	133.8	108.6	86.6
395.0	75°	253.4	130.6	94.4	88.1	69.3	83.4	110.2	103.9	77.1	56.7
261.3	77.5°	165.3	92.9	64.5	56.7	39.3	55.1	81.8	72.4	45.6	28.3
171.6	80°	103.9	61.4	37.8	26.8	18.9	29.9	44.1	31.5	17.3	6.3
100.7	82.5°	55.1	31.5	14.2	9.4	7.9	9.4	11.0	7.9	3.1	0.0
51.9	85°	22.0	11.0	4.7	3.1	1.6	0.0	3.1	1.6	0.0	0.0
9.4	87.5°	7.9	1.6	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°
3113.2
2908.6
2434.8
1814.7
1224.5
991.6
966.4
952.2
930.2
908.1
894.0
883.0
871.9
860.9
853.1
843.6
813.7
747.6
661.0
571.3
491.1
420.2
362.0
306.9
256.5
201.5
154.2
130.6
107.0
81.8
51.9
25.2
4.7
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