

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: P853014

Luminaire Tested: **GLAN-SB8A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853014
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-SB8A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 21897 lumens
Efficiency: N/A
Efficacy: 96.4 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

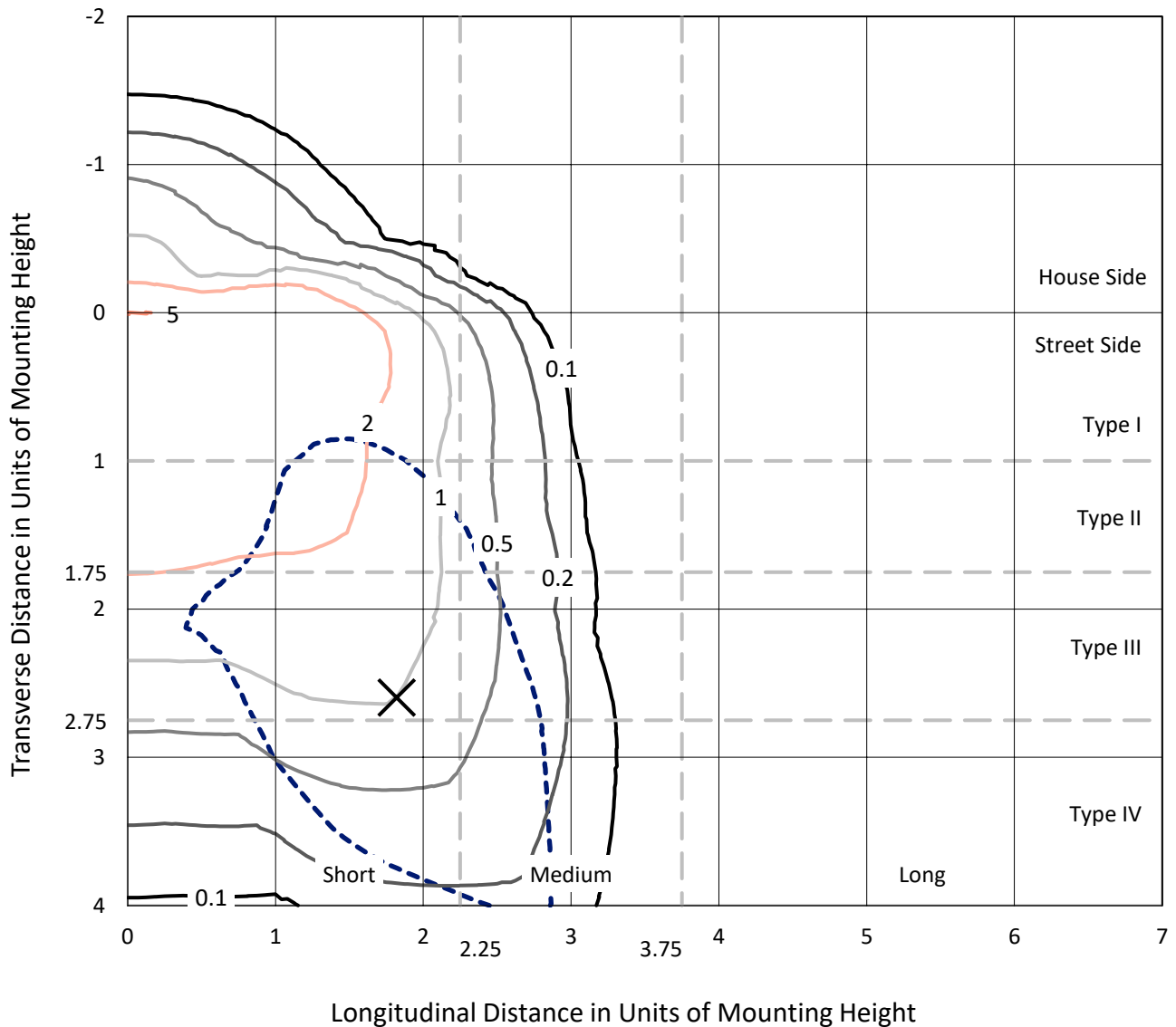
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853014
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Iso-Footcandle Lines of Horizontal Illumination

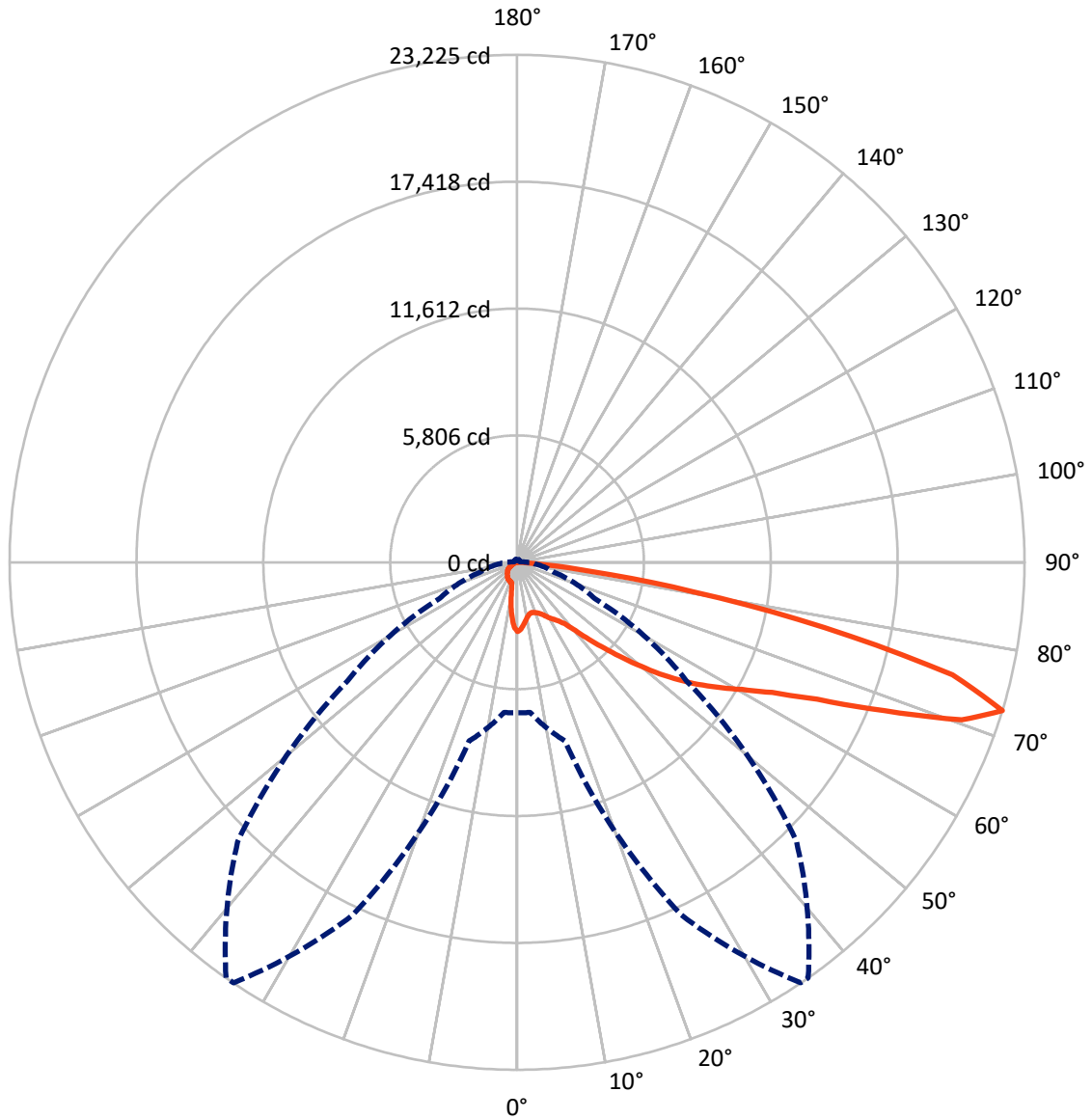
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P853014
CATALOG NUMBER: GLAN-SB8A-827-U-T4FT-HSS

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	2464.4	0.0	2464.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19432.6	0.0	19432.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	21897.0	0.0	21897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	1.2
10°-20°	610.1	2.8
20°-30°	991.1	4.5
30°-40°	1653.6	7.6
40°-50°	3128.6	14.3
50°-60°	4971.3	22.7
60°-70°	6149.9	28.1
70°-80°	3822.8	17.5
80°-90°	308.9	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°	21897.0	100.0
0°-180°	21897.0	100.0

Coefficient of Utilization

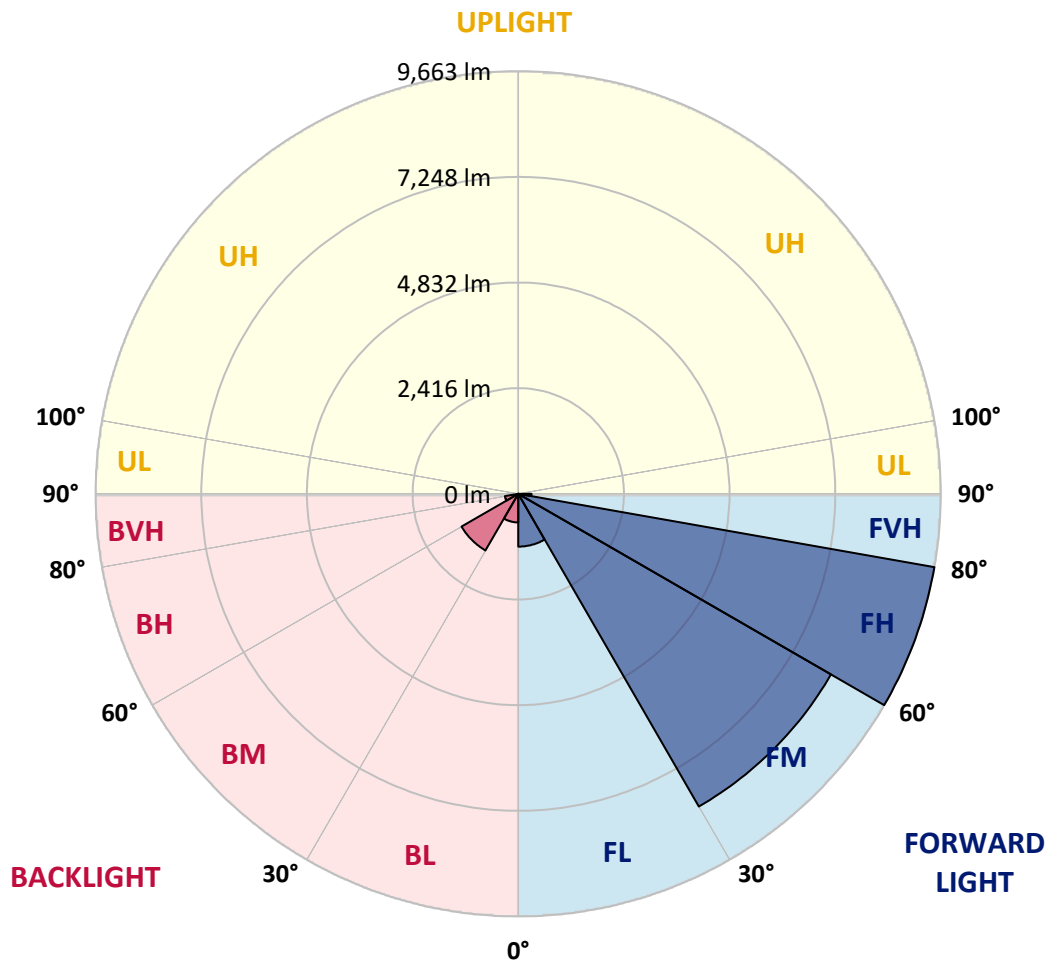


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1207.1	5.5			
FM	(30°-60°)	8257.4	37.7			
FH	(60°-80°)	9663.4	44.1			G4/12000
FVH	(80°-90°)	304.7	1.4			G3/500
BL	(0°-30°)	654.8	3.0	B2/1000		
BM	(30°-60°)	1496.1	6.8	B2/2500		
BH	(60°-80°)	309.2	1.4	B1/500		G1/500
BVH	(80°-90°)	4.2	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°	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6
2.5°	3032.4	3058.1	3062.9	3070.9	3070.9	3080.6	3096.6	3119.1	3156.0	3175.2
5°	2795.0	2814.2	2838.3	2857.5	2894.4	2899.2	2961.8	3022.8	3107.8	3172.0
7.5°	2555.9	2578.4	2610.4	2657.0	2705.1	2719.5	2814.2	2916.9	3051.7	3172.0
10°	2387.4	2389.0	2417.9	2464.4	2541.5	2559.1	2674.6	2820.6	2989.1	3152.8
12.5°	2292.8	2304.0	2316.8	2352.1	2425.9	2437.2	2560.7	2732.4	2926.5	3141.5
15°	2292.8	2300.8	2308.8	2326.5	2385.8	2395.4	2504.6	2676.2	2894.4	3146.3
17.5°	2316.8	2329.7	2323.2	2344.1	2406.7	2413.1	2509.4	2660.2	2892.8	3176.8
20°	2374.6	2384.2	2371.4	2384.2	2446.8	2459.6	2559.1	2690.7	2920.1	3229.8
22.5°	2466.0	2470.9	2440.4	2450.0	2514.2	2530.2	2645.7	2777.3	2985.9	3314.8
25°	2581.6	2591.2	2544.7	2555.9	2616.9	2636.1	2769.3	2907.3	3090.2	3431.9
27.5°	2714.7	2719.5	2679.4	2677.8	2756.5	2783.7	2918.5	3067.7	3229.8	3579.5
30°	2867.2	2881.6	2843.1	2836.7	2936.2	2958.6	3091.8	3265.1	3435.1	3801.0
32.5°	2987.5	2998.7	2976.3	2992.3	3093.4	3111.0	3302.0	3544.2	3757.6	4115.4
35°	3160.8	3167.2	3115.8	3144.7	3260.2	3305.2	3589.2	3935.7	4163.6	4510.1
37.5°	3788.1	3788.1	3569.9	3427.1	3537.8	3577.9	3982.3	4428.3	4664.1	5039.6
40°	4656.1	4641.7	4322.4	4030.4	4015.9	4094.6	4542.2	5049.2	5310.7	5675.0
42.5°	5581.9	5559.4	5124.6	4835.8	4787.7	4815.0	5188.8	5814.5	6080.9	6449.9
45°	6403.4	6397.0	5999.1	5610.8	5524.1	5610.8	5995.8	6709.8	6900.8	7289.0
47.5°	7091.7	7091.7	6801.3	6547.8	6502.9	6554.2	7088.5	7703.0	7685.3	8182.7
50°	7884.3	7877.9	7601.9	7492.8	7539.3	7611.5	8346.4	8749.1	8497.2	9060.4
52.5°	8439.4	8477.9	8383.3	8365.6	8603.1	8728.2	9623.5	9772.7	9224.0	9893.1
55°	8879.0	8924.0	9033.1	9156.6	9613.9	9777.5	10860.5	10743.4	9832.1	10615.1
57.5°	9501.6	9437.4	9605.9	9849.7	10589.4	10786.7	12059.1	11659.6	10321.5	11200.7
60°	10257.3	10266.9	10295.8	10603.8	11563.3	11816.8	13240.0	12526.0	10635.9	11560.1
62.5°	11165.4	11179.8	11239.2	11712.5	12870.9	13110.0	14497.8	13235.1	10780.3	11459.0
65°	11102.8	11163.8	11826.4	13445.3	14858.8	15094.7	15965.9	13732.5	10562.1	10534.8
67.5°	10114.5	10214.0	11322.6	15515.1	17856.0	18119.1	17740.4	13830.4	9620.3	8192.3
70°	8818.1	8853.4	10186.7	17376.2	21326.4	21592.7	19328.9	12753.8	7300.3	4569.5
72.5°	6886.3	6894.3	8458.7	17807.8	23210.0	23224.5	18082.2	9467.9	3926.1	1755.3
75°	4919.3	4871.1	5665.3	14441.7	20419.9	20583.5	13556.0	4441.1	1500.2	829.5
77.5°	2637.7	2690.7	3205.7	8564.6	14106.4	14385.5	7396.5	1280.4	763.7	564.8
80°	815.1	860.0	1314.0	3921.3	7990.2	8158.6	2742.0	569.6	532.7	402.7
82.5°	256.7	266.3	612.9	1647.8	3316.4	3393.4	794.2	322.5	364.2	266.3
85°	73.8	75.4	272.8	614.5	819.9	835.9	223.0	125.1	208.6	165.3
87.5°	8.0	25.7	102.7	102.7	72.2	70.6	24.1	27.3	59.4	20.9
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°
3173.6	0°	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6
3188.0	2.5°	3180.0	3181.6	3160.8	3125.5	3087.0	3054.9	3014.8	2982.7	2960.2	2953.8
3216.9	5°	3202.5	3191.3	3131.9	3024.4	2896.0	2785.3	2661.8	2563.9	2499.7	2472.5
3247.4	7.5°	3236.2	3204.1	3074.1	2862.3	2616.9	2398.7	2177.2	2005.6	1896.5	1841.9
3276.3	10°	3265.1	3200.9	2977.9	2628.1	2252.7	1922.1	1623.7	1416.7	1301.2	1246.7
3310.0	12.5°	3292.3	3199.3	2852.7	2350.5	1841.9	1437.6	1160.0	1057.3	1025.2	1014.0
3364.5	15°	3343.7	3204.1	2695.5	2032.8	1432.8	1086.2	985.1	983.5	989.9	986.7
3448.0	17.5°	3414.3	3208.9	2517.4	1695.9	1105.5	957.9	953.0	967.5	977.1	972.3
3552.3	20°	3505.7	3228.2	2328.1	1362.2	949.8	925.8	937.0	949.8	957.9	949.8
3691.8	22.5°	3634.1	3261.9	2121.1	1094.2	900.1	906.5	916.1	930.6	938.6	927.4
3869.9	25°	3791.3	3314.8	1917.3	951.4	876.0	884.1	898.5	914.5	924.2	912.9
4094.6	27.5°	3995.1	3399.8	1729.6	919.4	852.0	856.8	877.6	901.7	914.5	900.1
4413.9	30°	4290.3	3539.4	1567.6	933.8	837.5	826.3	855.2	888.9	903.3	890.5
4848.7	32.5°	4681.8	3736.8	1468.1	956.3	831.1	791.0	818.3	861.6	885.7	877.6
5416.6	35°	5195.2	4036.8	1429.6	981.9	826.3	754.1	773.3	819.9	861.6	869.6
6132.2	37.5°	5817.7	4454.0	1440.8	993.2	811.9	723.6	733.2	773.3	827.9	853.6
6937.7	40°	6525.3	4940.1	1505.0	981.9	795.8	697.9	699.5	730.0	778.2	816.7
7804.1	42.5°	7255.3	5508.1	1623.7	940.2	781.4	675.5	670.7	691.5	723.6	750.9
8668.9	45°	7950.1	6092.1	1740.8	882.4	763.7	653.0	641.8	649.8	656.2	667.5
9511.2	47.5°	8556.6	6502.9	1707.1	829.5	739.7	627.3	608.1	604.9	585.6	584.0
10263.7	50°	8975.3	6592.7	1516.2	776.6	704.4	598.5	568.0	548.7	515.0	499.0
10826.9	52.5°	9108.5	6238.1	1238.6	723.6	646.6	560.0	516.6	486.1	444.4	430.0
11151.0	55°	8932.0	5543.4	989.9	659.4	566.4	508.6	460.5	420.4	386.7	369.0
11186.3	57.5°	8500.4	4659.3	783.0	584.0	481.3	450.9	402.7	362.6	333.7	316.1
10794.8	60°	7784.8	3699.9	619.3	494.2	410.7	388.3	338.5	312.9	287.2	266.3
9784.0	62.5°	6698.6	2640.9	486.1	391.5	343.4	317.7	288.8	269.5	239.1	210.2
7966.1	65°	5227.3	1615.7	375.4	287.2	276.0	263.1	245.5	227.8	190.9	162.0
5196.8	67.5°	3297.2	765.3	267.9	216.6	218.2	211.8	203.8	189.3	162.0	136.4
2328.1	70°	1452.0	370.6	176.5	165.3	162.0	162.0	168.5	163.7	138.0	113.9
808.6	72.5°	494.2	199.0	131.6	125.1	117.1	115.5	141.2	136.4	110.7	88.2
402.7	75°	258.3	133.2	96.3	89.8	70.6	85.0	112.3	105.9	78.6	57.8
266.3	77.5°	168.5	94.7	65.8	57.8	40.1	56.2	83.4	73.8	46.5	28.9
174.9	80°	105.9	62.6	38.5	27.3	19.3	30.5	44.9	32.1	17.6	6.4
102.7	82.5°	56.2	32.1	14.4	9.6	8.0	9.6	11.2	8.0	3.2	0.0
52.9	85°	22.5	11.2	4.8	3.2	1.6	0.0	3.2	1.6	0.0	0.0
9.6	87.5°	8.0	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°
3173.6
2965.0
2482.1
1849.9
1248.3
1010.8
985.1
970.7
948.2
925.8
911.3
900.1
888.9
877.6
869.6
860.0
829.5
762.1
673.9
582.4
500.6
428.4
369.0
312.9
261.5
205.4
157.2
133.2
109.1
83.4
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