

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: P853018

Luminaire Tested: **GLAN-SB8A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853018  
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-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 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: 22739 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

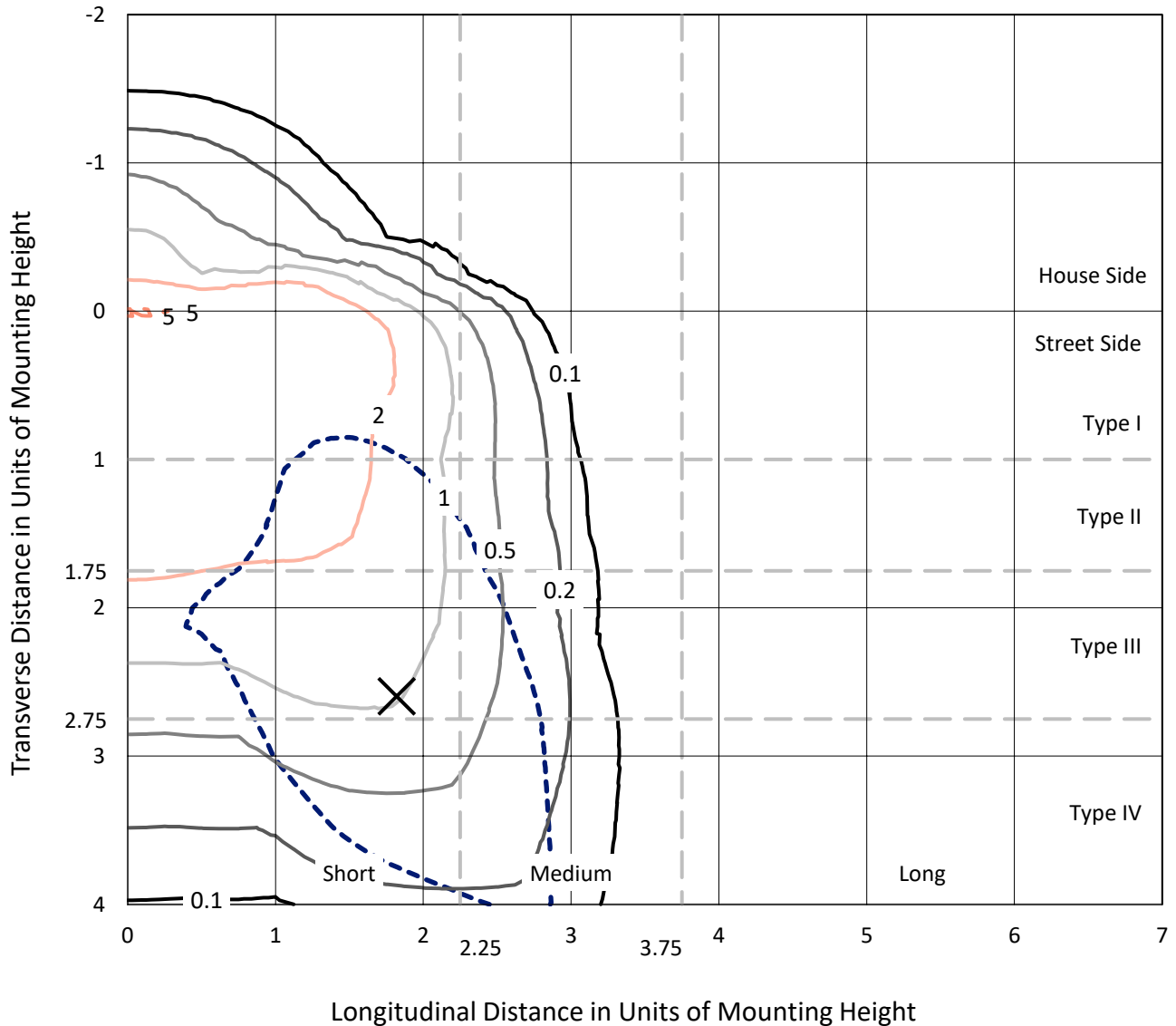
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

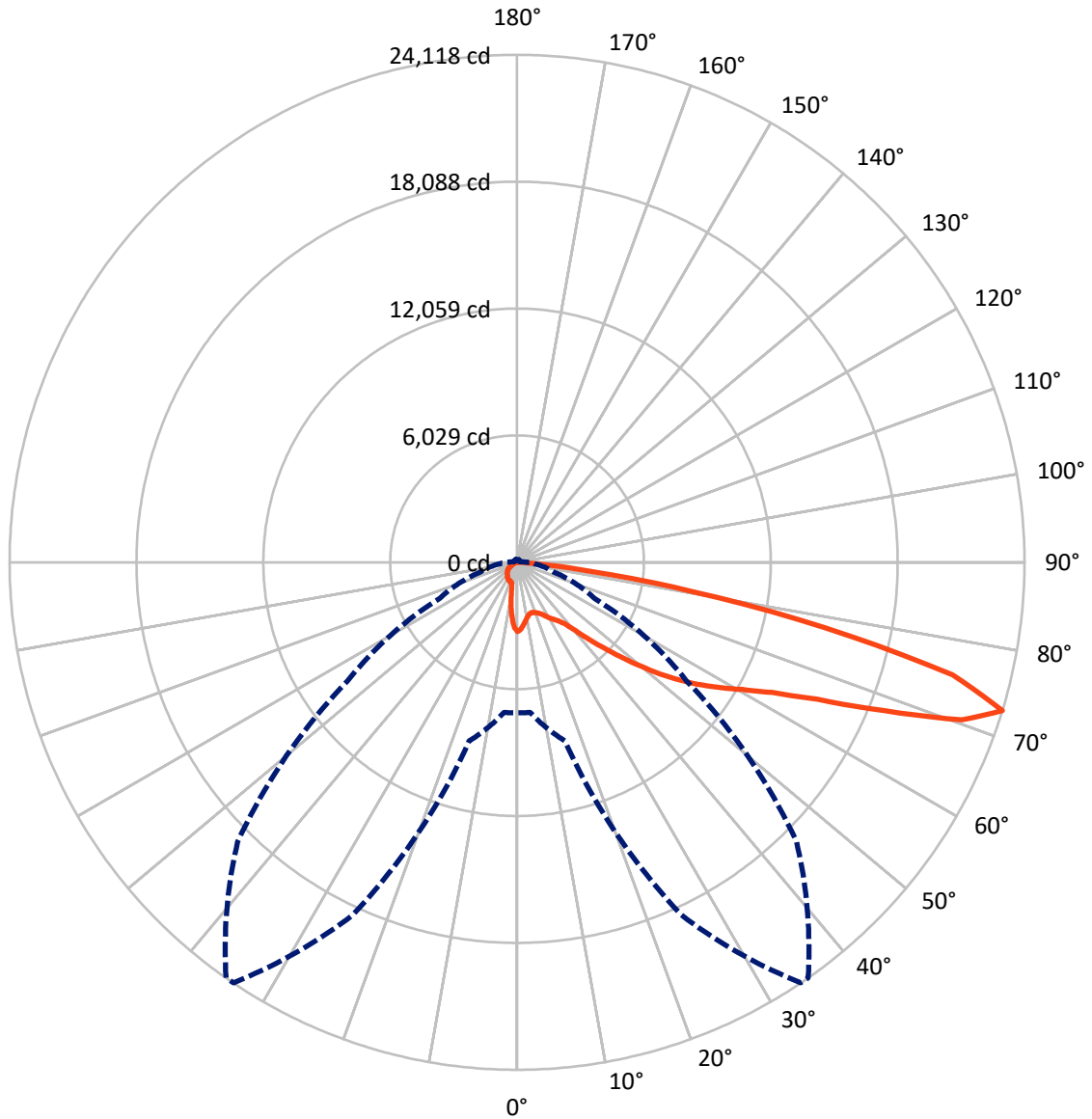
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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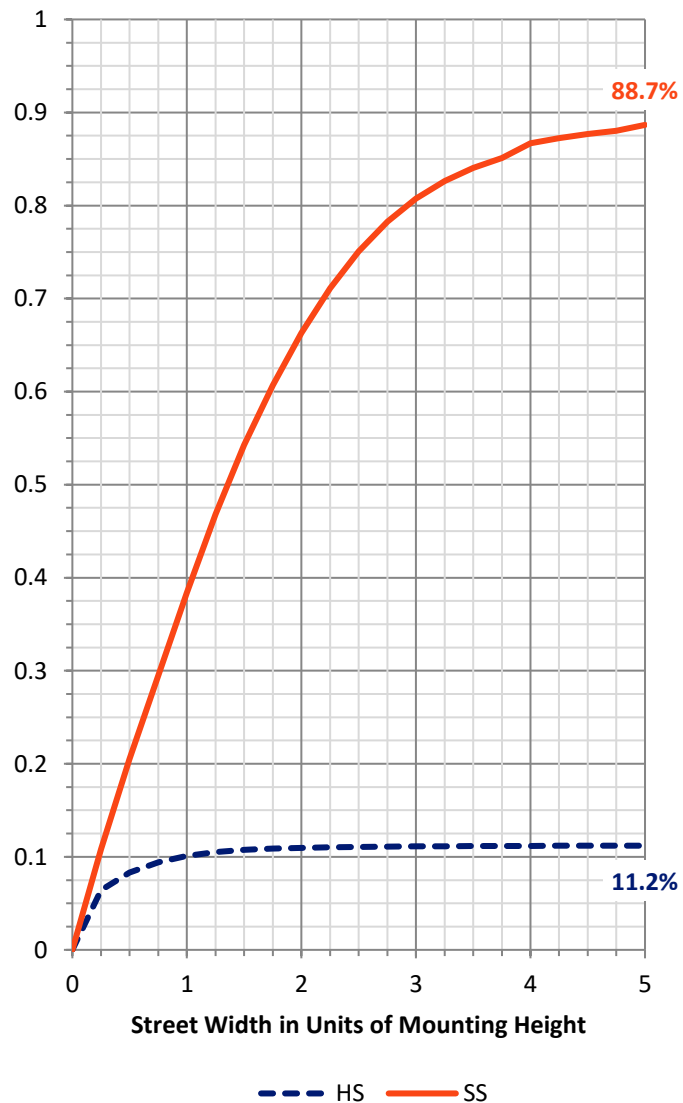
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2559.2	0.0	2559.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	20179.8	0.0	20179.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	22739.0	0.0	22739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.8	1.2
10°-20°	633.5	2.8
20°-30°	1029.2	4.5
30°-40°	1717.2	7.6
40°-50°	3248.9	14.3
50°-60°	5162.5	22.7
60°-70°	6386.3	28.1
70°-80°	3969.8	17.5
80°-90°	320.8	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°	22739.0	100.0
0°-180°	22739.0	100.0

**Coefficient of Utilization**



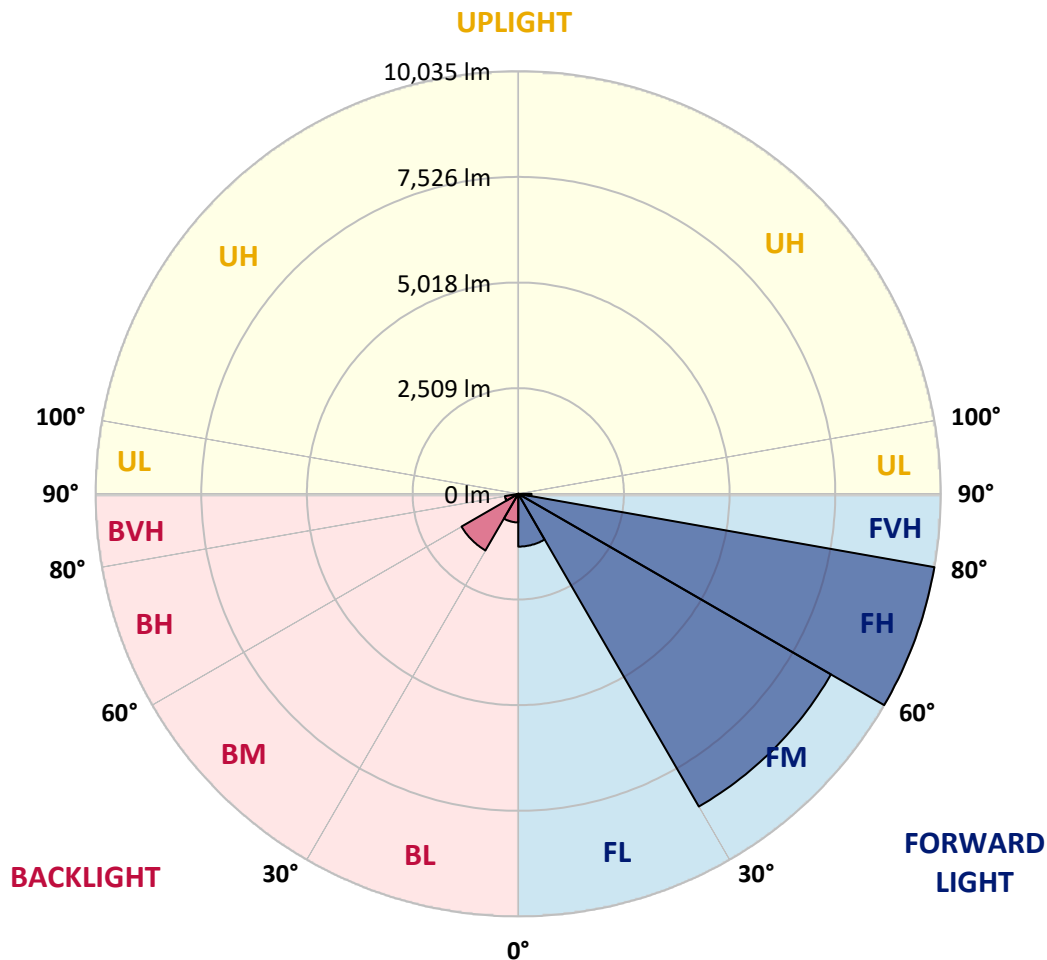
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.5	5.5			
FM (30°-60°)	8574.9	37.7			
FH (60°-80°)	10035.0	44.1			G4/12000
FVH (80°-90°)	316.5	1.4			G3/500
BL (0°-30°)	680.0	3.0	B2/1000		
BM (30°-60°)	1553.6	6.8	B2/2500		
BH (60°-80°)	321.1	1.4	B1/500		G1/500
BVH (80°-90°)	4.4	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°	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6
2.5°	3149.0	3175.7	3180.7	3189.0	3189.0	3199.0	3215.7	3239.0	3277.3	3297.3
5°	2902.4	2922.4	2947.4	2967.4	3005.7	3010.7	3075.7	3139.0	3227.3	3294.0
7.5°	2654.2	2677.5	2710.8	2759.1	2809.1	2824.1	2922.4	3029.1	3169.0	3294.0
10°	2479.2	2480.9	2510.9	2559.2	2639.2	2657.5	2777.5	2929.1	3104.0	3274.0
12.5°	2380.9	2392.6	2405.9	2442.6	2519.2	2530.9	2659.2	2837.5	3039.1	3262.3
15°	2380.9	2389.3	2397.6	2415.9	2477.6	2487.6	2600.9	2779.1	3005.7	3267.3
17.5°	2405.9	2419.2	2412.6	2434.2	2499.2	2505.9	2605.9	2762.5	3004.1	3299.0
20°	2465.9	2475.9	2462.6	2475.9	2540.9	2554.2	2657.5	2794.1	3032.4	3354.0
22.5°	2560.9	2565.9	2534.2	2544.2	2610.9	2627.5	2747.5	2884.1	3100.7	3442.3
25°	2680.8	2690.8	2642.5	2654.2	2717.5	2737.5	2875.8	3019.1	3209.0	3563.9
27.5°	2819.1	2824.1	2782.5	2780.8	2862.4	2890.8	3030.7	3185.7	3354.0	3717.2
30°	2977.4	2992.4	2952.4	2945.8	3049.1	3072.4	3210.7	3390.6	3567.2	3947.1
32.5°	3102.4	3114.0	3090.7	3107.4	3212.3	3230.7	3428.9	3680.5	3902.1	4273.7
35°	3282.3	3289.0	3235.7	3265.7	3385.6	3432.3	3727.2	4087.1	4323.7	4683.5
37.5°	3933.8	3933.8	3707.2	3558.9	3673.9	3715.5	4135.4	4598.6	4843.5	5233.4
40°	4835.2	4820.2	4488.6	4185.4	4170.4	4252.0	4716.9	5243.4	5515.0	5893.2
42.5°	5796.5	5773.2	5321.7	5021.8	4971.8	5000.1	5388.3	6038.1	6314.7	6697.9
45°	6649.6	6642.9	6229.7	5826.5	5736.6	5826.5	6226.4	6967.8	7166.1	7569.3
47.5°	7364.4	7364.4	7062.8	6799.6	6752.9	6806.2	7361.0	7999.2	7980.9	8497.4
50°	8187.5	8180.8	7894.2	7780.9	7829.2	7904.2	8667.3	9085.5	8823.9	9408.7
52.5°	8763.9	8803.9	8705.6	8687.3	8933.9	9063.9	9993.6	10148.5	9578.7	10273.5
55°	9220.5	9267.1	9380.4	9508.7	9983.6	10153.5	11278.2	11156.5	10210.2	11023.2
57.5°	9866.9	9800.3	9975.2	10228.5	10996.6	11201.5	12522.8	12107.9	10718.3	11631.4
60°	10651.7	10661.7	10691.7	11011.6	12007.9	12271.2	13749.1	13007.6	11044.9	12004.6
62.5°	11594.7	11609.7	11671.4	12162.9	13365.9	13614.1	15055.3	13744.1	11194.9	11899.6
65°	11529.8	11593.1	12281.2	13962.3	15430.2	15675.1	16579.9	14260.6	10968.3	10939.9
67.5°	10503.4	10606.7	11758.0	16111.7	18542.6	18815.8	18422.6	14362.2	9990.2	8507.4
70°	9157.2	9193.8	10578.4	18044.4	22146.5	22423.0	20072.1	13244.2	7581.0	4745.2
72.5°	7151.1	7159.4	8783.9	18492.6	24102.5	24117.5	18777.5	9831.9	4077.1	1822.8
75°	5108.4	5058.4	5883.2	14997.0	21205.1	21375.0	14077.3	4611.9	1557.8	861.4
77.5°	2739.1	2794.1	3329.0	8893.9	14648.8	14938.7	7680.9	1329.6	793.1	586.5
80°	846.4	893.1	1364.6	4072.1	8297.4	8472.4	2847.4	591.5	553.2	418.2
82.5°	266.6	276.6	636.5	1711.1	3443.9	3523.9	824.7	334.9	378.2	276.6
85°	76.6	78.3	283.2	638.1	851.4	868.1	231.6	130.0	216.6	171.6
87.5°	8.3	26.7	106.6	106.6	75.0	73.3	25.0	28.3	61.6	21.7
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°
3295.6	0°	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6	3295.6
3310.6	2.5°	3302.3	3304.0	3282.3	3245.7	3205.7	3172.3	3130.7	3097.4	3074.0	3067.4
3340.6	5°	3325.6	3314.0	3252.3	3140.7	3007.4	2892.4	2764.1	2662.5	2595.9	2567.5
3372.3	7.5°	3360.6	3327.3	3192.3	2972.4	2717.5	2490.9	2261.0	2082.7	1969.4	1912.7
3402.3	10°	3390.6	3324.0	3092.4	2729.2	2339.3	1996.0	1686.1	1471.2	1351.2	1294.6
3437.3	12.5°	3418.9	3322.3	2962.4	2440.9	1912.7	1492.9	1204.6	1098.0	1064.7	1053.0
3493.9	15°	3472.3	3327.3	2799.1	2111.0	1487.9	1128.0	1023.0	1021.3	1028.0	1024.7
3580.6	17.5°	3545.6	3332.3	2614.2	1761.1	1148.0	994.7	989.7	1004.7	1014.7	1009.7
3688.9	20°	3640.5	3352.3	2417.6	1414.6	986.4	961.4	973.0	986.4	994.7	986.4
3833.8	22.5°	3773.8	3387.3	2202.6	1136.3	934.7	941.4	951.4	966.4	974.7	963.0
4018.8	25°	3937.1	3442.3	1991.0	988.0	909.7	918.0	933.0	949.7	959.7	948.0
4252.0	27.5°	4148.7	3530.6	1796.1	954.7	884.7	889.7	911.4	936.4	949.7	934.7
4583.6	30°	4455.3	3675.5	1627.8	969.7	869.7	858.1	888.1	923.0	938.0	924.7
5035.1	32.5°	4861.8	3880.5	1524.5	993.0	863.1	821.4	849.7	894.7	919.7	911.4
5624.9	35°	5395.0	4192.0	1484.5	1019.7	858.1	783.1	803.1	851.4	894.7	903.1
6368.0	37.5°	6041.5	4625.2	1496.2	1031.3	843.1	751.4	761.4	803.1	859.7	886.4
7204.4	40°	6776.2	5130.1	1562.8	1019.7	826.4	724.8	726.4	758.1	808.1	848.1
8104.2	42.5°	7534.3	5719.9	1686.1	976.4	811.4	701.4	696.5	718.1	751.4	779.8
9002.2	45°	8255.8	6326.4	1807.8	916.4	793.1	678.1	666.5	674.8	681.5	693.1
9876.9	47.5°	8885.6	6752.9	1772.8	861.4	768.1	651.5	631.5	628.1	608.1	606.5
10658.4	50°	9320.4	6846.2	1574.5	806.4	731.4	621.5	589.8	569.8	534.8	518.2
11243.2	52.5°	9458.7	6478.0	1286.3	751.4	671.5	581.5	536.5	504.8	461.5	446.5
11579.7	55°	9275.5	5756.5	1028.0	684.8	588.2	528.2	478.2	436.5	401.5	383.2
11616.4	57.5°	8827.3	4838.5	813.1	606.5	499.8	468.2	418.2	376.5	346.6	328.2
11209.9	60°	8084.2	3842.1	643.1	513.2	426.5	403.2	351.6	324.9	298.2	276.6
10160.2	62.5°	6956.2	2742.5	504.8	406.5	356.6	329.9	299.9	279.9	248.3	218.3
8272.4	65°	5428.3	1677.8	389.9	298.2	286.6	273.2	254.9	236.6	198.3	168.3
5396.7	67.5°	3423.9	794.8	278.2	224.9	226.6	219.9	211.6	196.6	168.3	141.6
2417.6	70°	1507.9	384.9	183.3	171.6	168.3	168.3	174.9	169.9	143.3	118.3
839.7	72.5°	513.2	206.6	136.6	130.0	121.6	120.0	146.6	141.6	115.0	91.6
418.2	75°	268.3	138.3	100.0	93.3	73.3	88.3	116.6	110.0	81.6	60.0
276.6	77.5°	174.9	98.3	68.3	60.0	41.7	58.3	86.6	76.6	48.3	30.0
181.6	80°	110.0	65.0	40.0	28.3	20.0	31.7	46.7	33.3	18.3	6.7
106.6	82.5°	58.3	33.3	15.0	10.0	8.3	10.0	11.7	8.3	3.3	0.0
55.0	85°	23.3	11.7	5.0	3.3	1.7	0.0	3.3	1.7	0.0	0.0
10.0	87.5°	8.3	1.7	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>
3295.6
3079.0
2577.5
1921.1
1296.3
1049.7
1023.0
1008.0
984.7
961.4
946.4
934.7
923.0
911.4
903.1
893.1
861.4
791.4
699.8
604.8
519.8
444.9
383.2
324.9
271.6
213.3
163.3
138.3
113.3
86.6
55.0
26.7
5.0
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