

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: P853000

Luminaire Tested: **GLAN-SB8A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853000
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-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 21476 lumens
Efficiency: N/A
Efficacy: 94.6 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

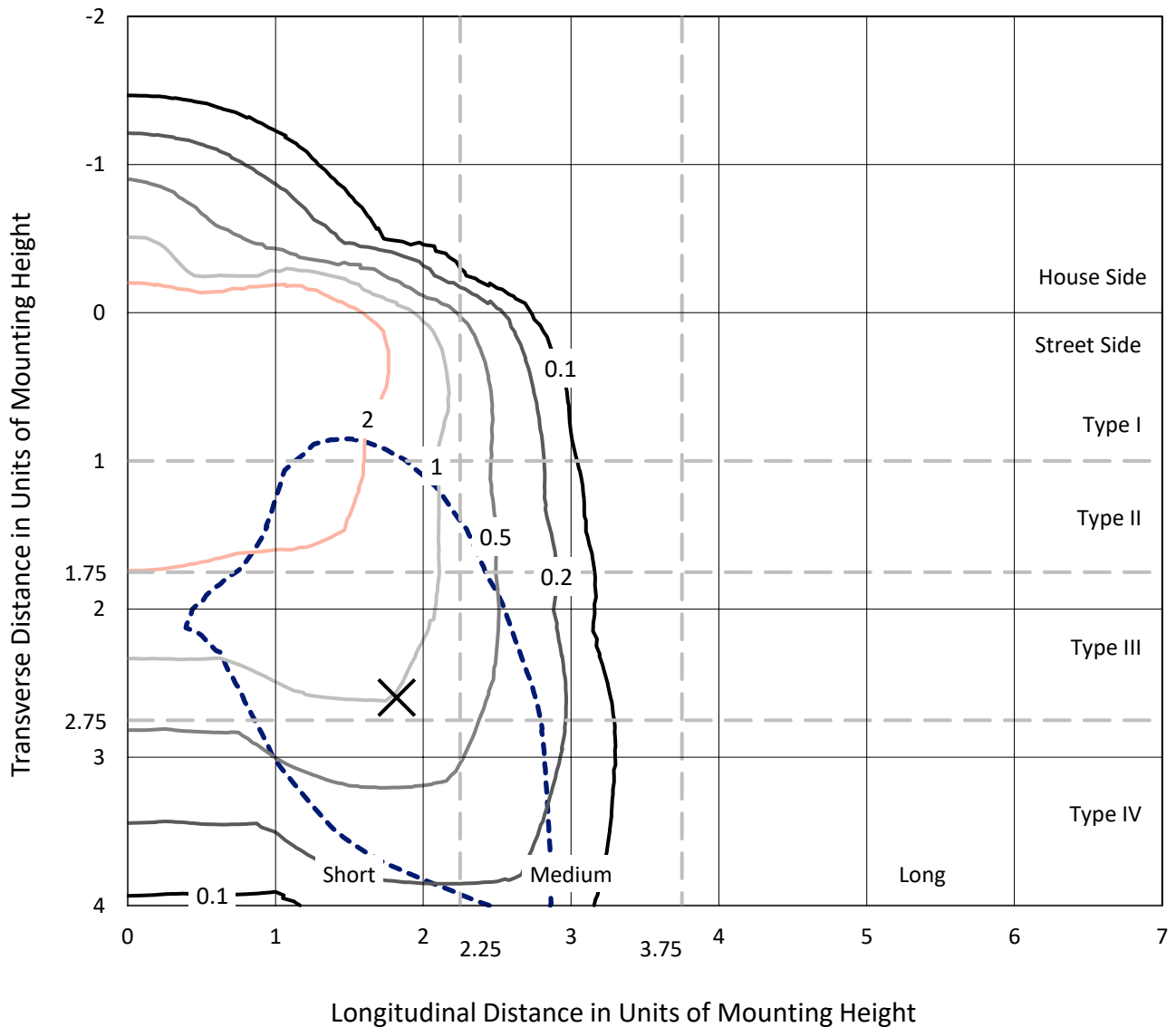
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853000
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Iso-Footcandle Lines of Horizontal Illumination

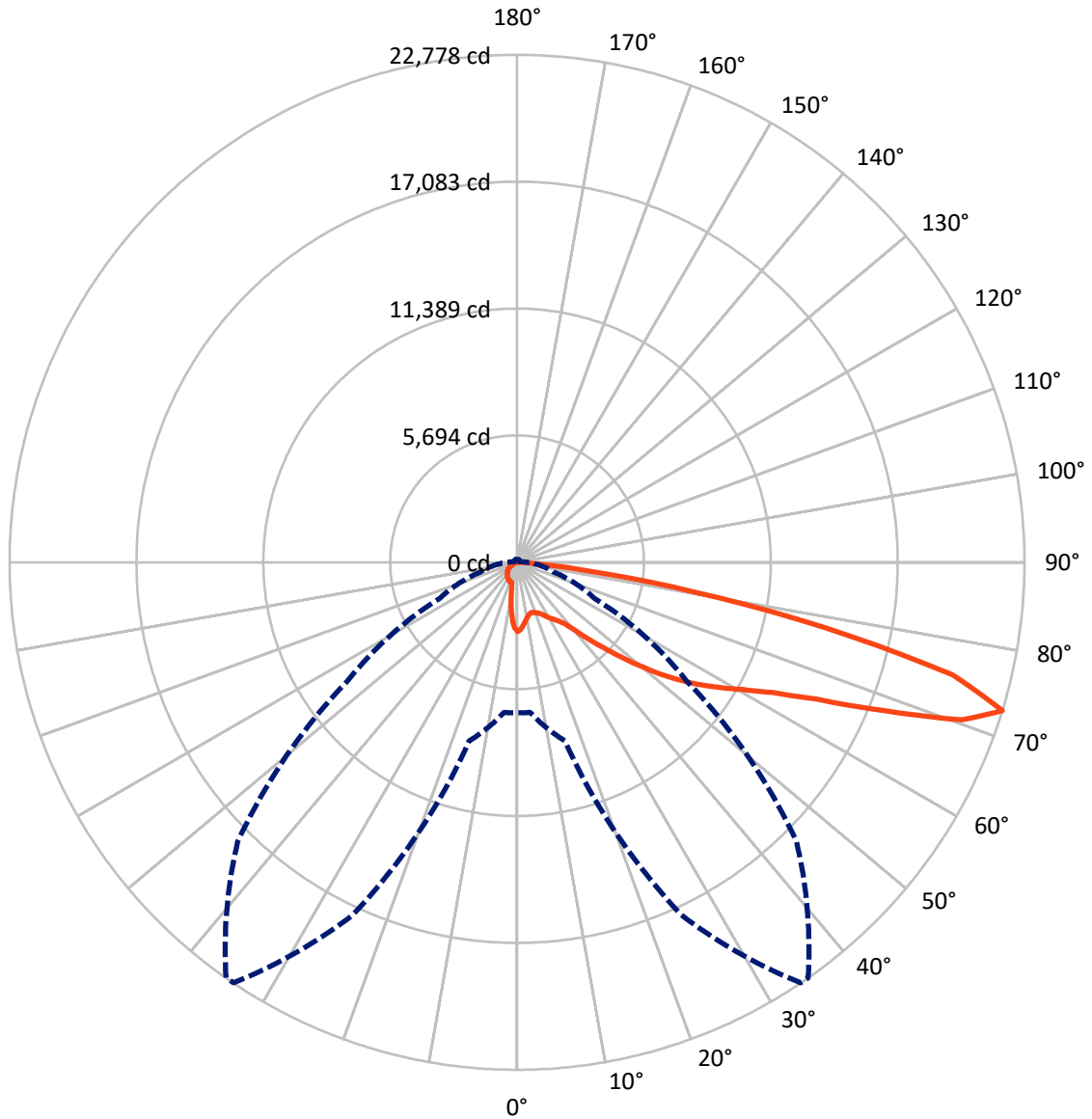
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P853000
CATALOG NUMBER: GLAN-SB8A-722-U-T4FT-HSS

Luminous Intensity Polar Plot



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

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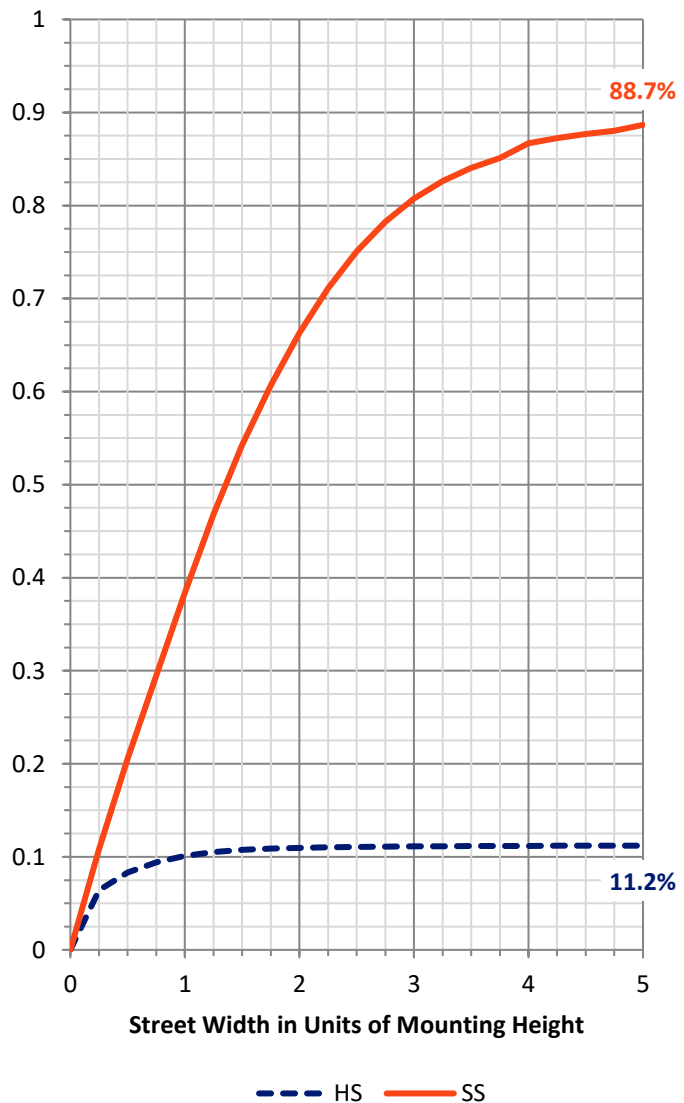
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2417.0	0.0	2417.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19059.0	0.0	19059.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	21476.0	0.0	21476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.2
10°-20°	598.3	2.8
20°-30°	972.0	4.5
30°-40°	1621.8	7.6
40°-50°	3068.4	14.3
50°-60°	4875.7	22.7
60°-70°	6031.6	28.1
70°-80°	3749.3	17.5
80°-90°	303.0	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°	21476.0	100.0
0°-180°	21476.0	100.0

Coefficient of Utilization

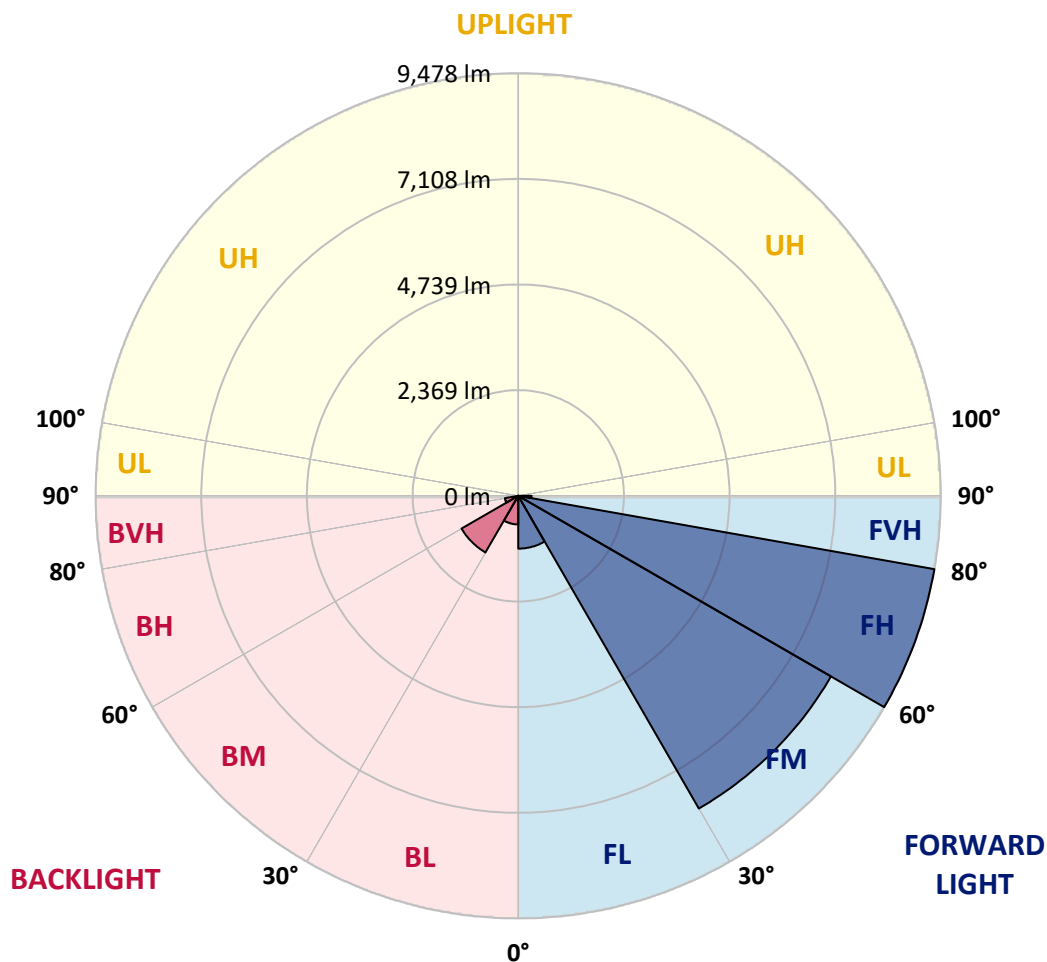


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.9	5.5			
FM (30°-60°)	8098.6	37.7			
FH (60°-80°)	9477.6	44.1			G4/12000
FVH (80°-90°)	298.9	1.4			G3/500
BL (0°-30°)	642.3	3.0	B2/1000		
BM (30°-60°)	1467.3	6.8	B2/2500		
BH (60°-80°)	303.3	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°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
2.5°	2974.1	2999.3	3004.0	3011.9	3011.9	3021.3	3037.1	3059.1	3095.3	3114.2
5°	2741.2	2760.1	2783.7	2802.6	2838.8	2843.5	2904.9	2964.7	3048.1	3111.0
7.5°	2506.8	2528.8	2560.3	2605.9	2653.1	2667.3	2760.1	2860.8	2993.0	3111.0
10°	2341.5	2343.1	2371.4	2417.1	2492.6	2509.9	2623.2	2766.4	2931.6	3092.1
12.5°	2248.7	2259.7	2272.3	2306.9	2379.3	2390.3	2511.5	2679.9	2870.3	3081.1
15°	2248.7	2256.6	2264.4	2281.7	2340.0	2349.4	2456.4	2624.8	2838.8	3085.8
17.5°	2272.3	2284.9	2278.6	2299.0	2360.4	2366.7	2461.1	2609.0	2837.2	3115.7
20°	2328.9	2338.4	2325.8	2338.4	2399.7	2412.3	2509.9	2638.9	2864.0	3167.7
22.5°	2418.6	2423.4	2393.5	2402.9	2465.8	2481.6	2594.9	2723.9	2928.5	3251.1
25°	2531.9	2541.4	2495.7	2506.8	2566.6	2585.4	2716.0	2851.4	3030.8	3365.9
27.5°	2662.5	2667.3	2627.9	2626.3	2703.5	2730.2	2862.4	3008.7	3167.7	3510.7
30°	2812.0	2826.2	2788.4	2782.1	2879.7	2901.7	3032.3	3202.3	3369.1	3727.9
32.5°	2930.1	2941.1	2919.0	2934.8	3033.9	3051.2	3238.5	3476.1	3685.4	4036.3
35°	3100.0	3106.3	3055.9	3084.3	3197.6	3241.6	3520.2	3860.1	4083.5	4423.4
37.5°	3715.3	3715.3	3501.3	3361.2	3469.8	3509.1	3905.7	4343.2	4574.5	4942.7
40°	4566.6	4552.4	4239.3	3952.9	3938.7	4015.8	4454.9	4952.1	5208.6	5565.8
42.5°	5474.6	5452.5	5026.1	4742.8	4695.6	4722.4	5089.0	5702.7	5964.0	6325.9
45°	6280.3	6274.0	5883.7	5502.9	5417.9	5502.9	5880.6	6580.8	6768.1	7148.9
47.5°	6955.3	6955.3	6670.5	6421.9	6377.8	6428.2	6952.2	7554.9	7537.6	8025.4
50°	7732.7	7726.4	7455.7	7348.7	7394.4	7465.2	8185.9	8580.9	8333.8	8886.2
52.5°	8277.2	8314.9	8222.1	8204.8	8437.7	8560.4	9438.5	9584.8	9046.7	9702.9
55°	8708.3	8752.4	8859.4	8980.6	9429.0	9589.6	10651.7	10536.9	9643.1	10411.0
57.5°	9318.9	9255.9	9421.2	9660.4	10385.8	10579.4	11827.2	11435.4	10123.0	10985.3
60°	10060.1	10069.5	10097.8	10400.0	11341.0	11589.6	12985.4	12285.1	10431.4	11337.8
62.5°	10950.7	10964.9	11023.1	11487.3	12623.5	12857.9	14219.1	12980.7	10573.1	11238.7
65°	10889.4	10949.1	11599.0	13186.8	14573.2	14804.5	15659.0	13468.5	10359.0	10332.3
67.5°	9920.0	10017.6	11104.9	15216.8	17512.7	17770.7	17399.4	13564.5	9435.3	8034.8
70°	8648.5	8683.2	9990.8	17042.2	20916.4	21177.6	18957.2	12508.6	7159.9	4481.6
72.5°	6753.9	6761.8	8296.1	17465.5	22763.8	22777.9	17734.5	9285.8	3850.6	1721.5
75°	4824.7	4777.5	5556.4	14164.0	20027.3	20187.8	13295.4	4355.7	1471.3	813.6
77.5°	2587.0	2638.9	3144.1	8399.9	13835.1	14109.0	7254.3	1255.7	749.0	553.9
80°	799.4	843.5	1288.8	3845.9	7836.6	8001.8	2689.3	558.6	522.4	395.0
82.5°	251.8	261.2	601.1	1616.1	3252.6	3328.2	778.9	316.3	357.2	261.2
85°	72.4	74.0	267.5	602.7	804.1	819.8	218.7	122.7	204.6	162.1
87.5°	7.9	25.2	100.7	100.7	70.8	69.2	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

REPORT NUMBER: P853000
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3112.6	0°	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6	3112.6
3126.8	2.5°	3118.9	3120.5	3100.0	3065.4	3027.6	2996.1	2956.8	2925.3	2903.3	2897.0
3155.1	5°	3140.9	3129.9	3071.7	2966.2	2840.4	2731.8	2610.6	2514.6	2451.7	2424.9
3185.0	7.5°	3174.0	3142.5	3015.0	2807.3	2566.6	2352.5	2135.4	1967.0	1860.0	1806.5
3213.3	10°	3202.3	3139.3	2920.6	2577.6	2209.3	1885.2	1592.5	1389.5	1276.2	1222.7
3246.3	12.5°	3229.0	3137.8	2797.9	2305.3	1806.5	1410.0	1137.7	1037.0	1005.5	994.5
3299.9	15°	3279.4	3142.5	2643.7	1993.8	1405.2	1065.3	966.2	964.6	970.9	967.8
3381.7	17.5°	3348.6	3147.2	2469.0	1663.3	1084.2	939.4	934.7	948.9	958.3	953.6
3484.0	20°	3438.3	3166.1	2283.3	1336.0	931.6	908.0	919.0	931.6	939.4	931.6
3620.9	22.5°	3564.2	3199.1	2080.3	1073.2	882.8	889.1	898.5	912.7	920.6	909.5
3795.5	25°	3718.4	3251.1	1880.5	933.1	859.2	867.1	881.2	897.0	906.4	895.4
4015.8	27.5°	3918.3	3334.5	1696.3	901.7	835.6	840.3	860.8	884.4	897.0	882.8
4329.0	30°	4207.8	3471.4	1537.4	915.8	821.4	810.4	838.7	871.8	885.9	873.4
4755.4	32.5°	4591.8	3664.9	1439.8	937.9	815.1	775.8	802.5	845.0	868.6	860.8
5312.5	35°	5095.3	3959.2	1402.1	963.0	810.4	739.6	758.5	804.1	845.0	852.9
6014.3	37.5°	5705.9	4368.3	1413.1	974.1	796.2	709.7	719.1	758.5	812.0	837.2
6804.3	40°	6399.9	4845.1	1476.0	963.0	780.5	684.5	686.1	716.0	763.2	801.0
7654.0	42.5°	7115.8	5402.2	1592.5	922.1	766.3	662.5	657.8	678.2	709.7	736.4
8502.2	45°	7797.2	5975.0	1707.4	865.5	749.0	640.5	629.4	637.3	643.6	654.6
9328.3	47.5°	8392.0	6377.8	1674.3	813.6	725.4	615.3	596.4	593.2	574.4	572.8
10066.4	50°	8802.8	6465.9	1487.1	761.6	690.8	587.0	557.1	538.2	505.1	489.4
10618.7	52.5°	8933.4	6118.2	1214.8	709.7	634.2	549.2	506.7	476.8	435.9	421.7
10936.6	55°	8760.3	5436.8	970.9	646.8	555.5	498.8	451.6	412.3	379.2	361.9
10971.2	57.5°	8337.0	4569.8	767.9	572.8	472.1	442.2	395.0	355.6	327.3	310.0
10587.2	60°	7635.1	3628.7	607.4	484.7	402.8	380.8	332.0	306.9	281.7	261.2
9595.8	62.5°	6569.8	2590.2	476.8	384.0	336.8	311.6	283.2	264.4	234.5	206.1
7813.0	65°	5126.8	1584.6	368.2	281.7	270.7	258.1	240.8	223.5	187.3	158.9
5096.9	67.5°	3233.8	750.6	262.8	212.4	214.0	207.7	199.8	185.7	158.9	133.8
2283.3	70°	1424.1	363.5	173.1	162.1	158.9	158.9	165.2	160.5	135.3	111.7
793.1	72.5°	484.7	195.1	129.0	122.7	114.9	113.3	138.5	133.8	108.6	86.5
395.0	75°	253.4	130.6	94.4	88.1	69.2	83.4	110.2	103.9	77.1	56.6
261.2	77.5°	165.2	92.8	64.5	56.6	39.3	55.1	81.8	72.4	45.6	28.3
171.5	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°
3112.6
2908.0
2434.4
1814.4
1224.3
991.4
966.2
952.0
930.0
908.0
893.8
882.8
871.8
860.8
852.9
843.5
813.6
747.5
660.9
571.2
491.0
420.2
361.9
306.9
256.5
201.4
154.2
130.6
107.0
81.8
51.9
25.2
4.7
0.0
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0.0

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