

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: P852423

Luminaire Tested: **GLAN-SB3D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23598 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

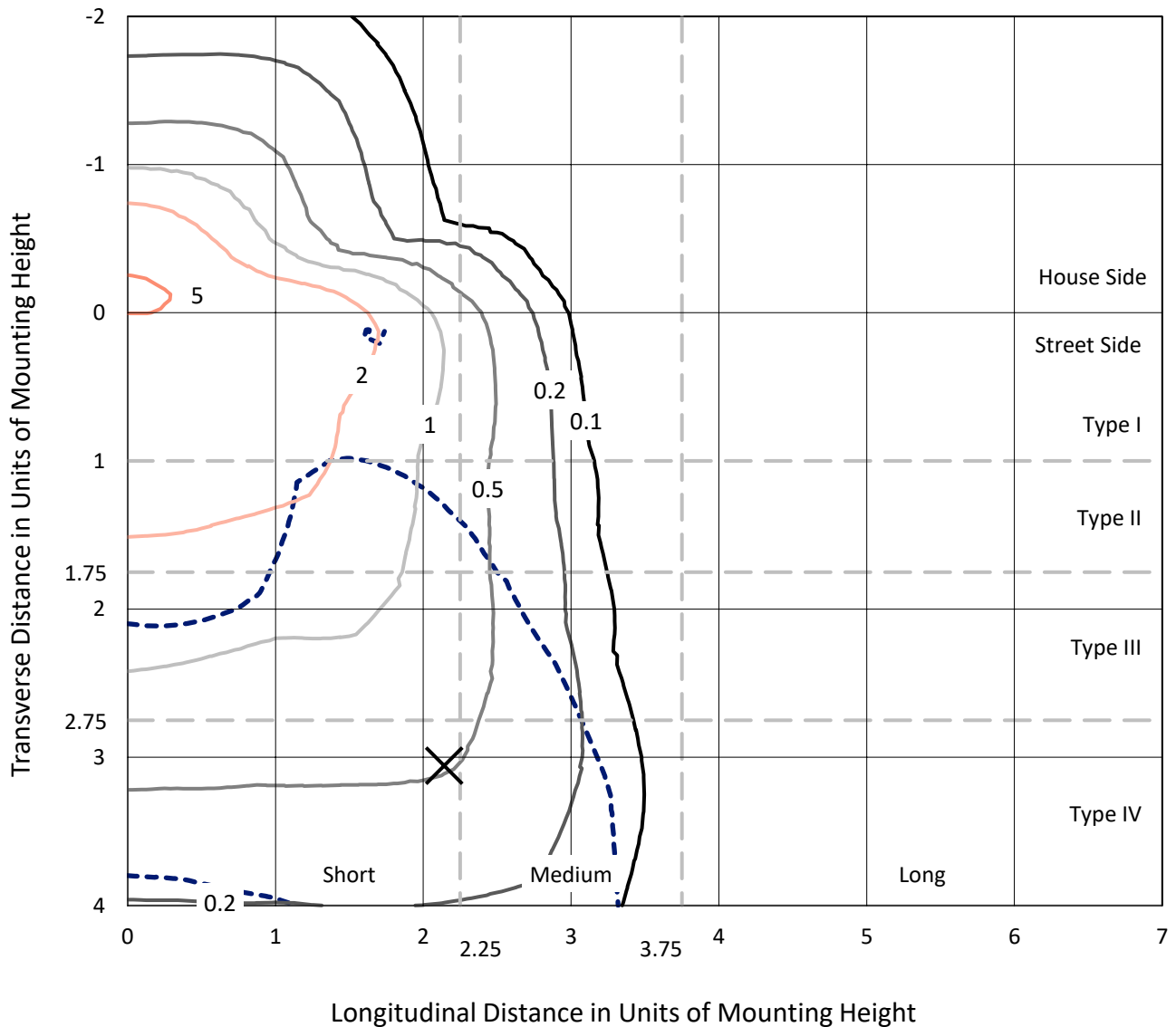
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

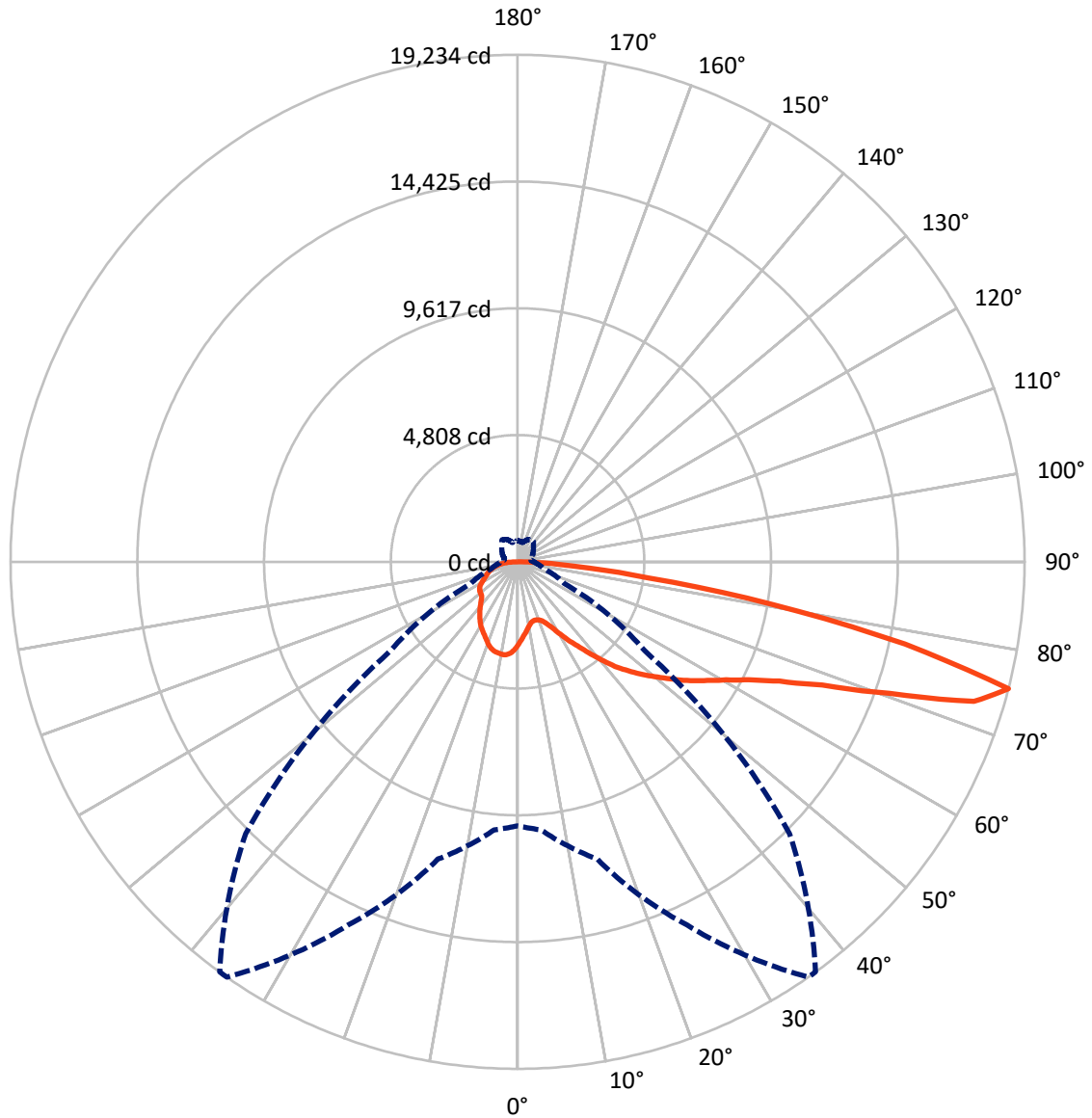
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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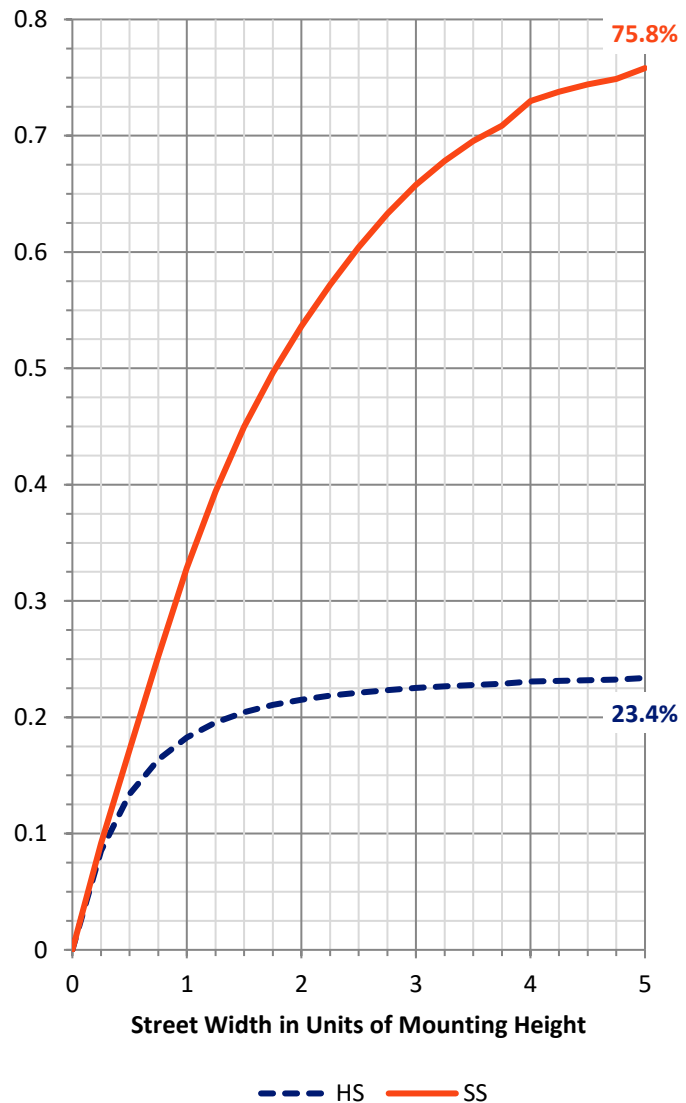
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5615.7	0.0	5615.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17982.3	0.0	17982.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	23598.0	0.0	23598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	1.3
10°-20°	858.8	3.6
20°-30°	1442.1	6.1
30°-40°	2241.3	9.5
40°-50°	3326.6	14.1
50°-60°	4592.6	19.5
60°-70°	5571.9	23.6
70°-80°	4604.7	19.5
80°-90°	662.3	2.8
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°	23598.0	100.0
0°-180°	23598.0	100.0

Coefficient of Utilization

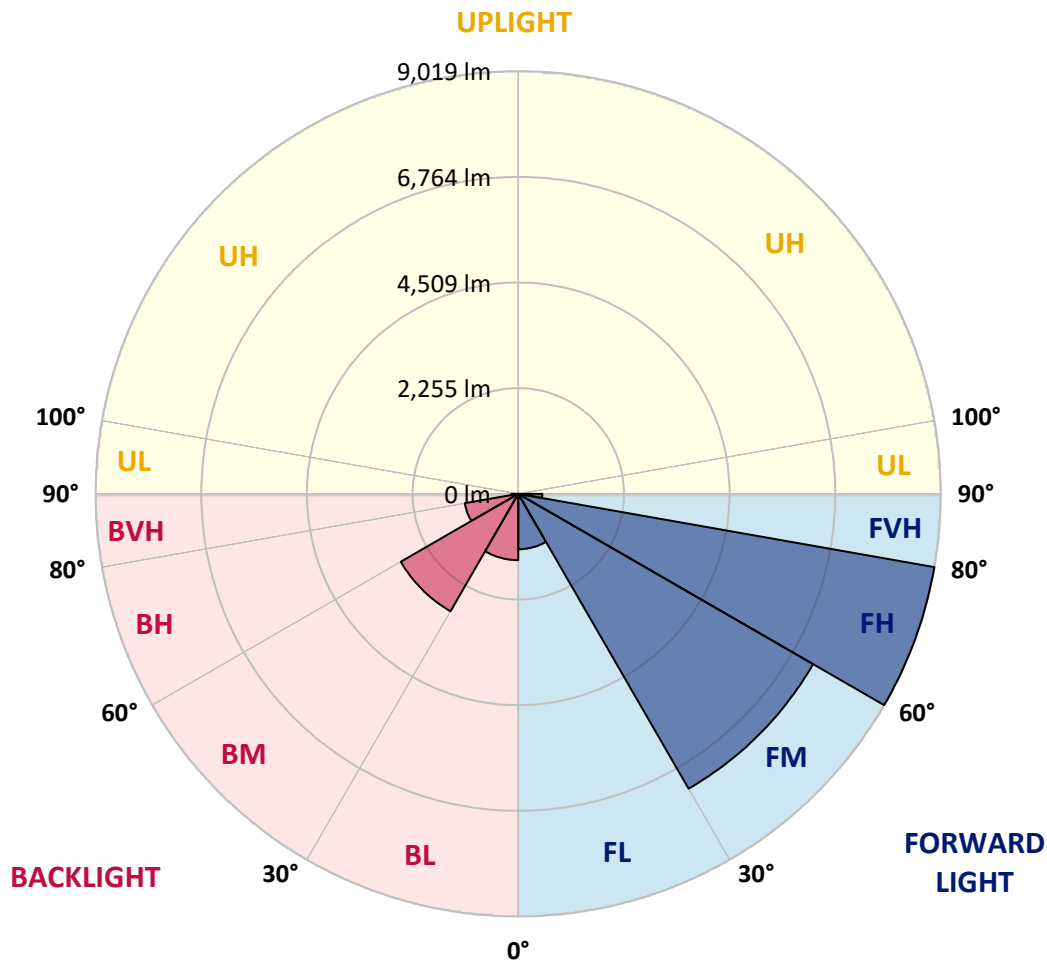


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.4	5.0			
FM (30°-60°)	7266.9	30.8			
FH (60°-80°)	9018.8	38.2			G4/12000
FVH (80°-90°)	513.2	2.2			G4/750
BL (0°-30°)	1415.2	6.0	B3/2500		
BM (30°-60°)	2893.6	12.3	B3/5000		
BH (60°-80°)	1157.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	149.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6
2.5°	2899.7	2917.5	2925.2	2921.3	2940.5	2937.9	2964.7	2997.9	3043.8	3088.5
5°	2676.4	2695.5	2712.1	2727.4	2764.4	2775.9	2818.0	2881.8	2966.0	3051.5
7.5°	2468.5	2485.1	2510.6	2538.6	2601.1	2612.6	2682.8	2782.3	2899.7	3024.7
10°	2298.8	2315.4	2342.2	2374.1	2451.9	2465.9	2555.2	2687.9	2841.0	2999.2
12.5°	2226.1	2231.2	2246.5	2278.4	2346.0	2354.9	2453.2	2605.0	2783.6	2980.0
15°	2222.3	2232.5	2233.7	2250.3	2306.5	2310.3	2400.9	2551.4	2747.9	2976.2
17.5°	2260.5	2268.2	2256.7	2266.9	2314.1	2320.5	2391.9	2525.9	2736.4	2992.8
20°	2362.6	2369.0	2334.5	2320.5	2354.9	2360.0	2430.2	2542.5	2747.9	3027.2
22.5°	2579.5	2583.3	2499.1	2441.7	2444.2	2446.8	2508.0	2610.1	2792.5	3089.7
25°	2917.5	2915.0	2781.0	2670.0	2606.2	2592.2	2633.0	2719.8	2867.8	3172.7
27.5°	3313.0	3293.8	3159.9	2994.1	2855.0	2834.6	2825.7	2862.7	2974.9	3282.4
30°	3759.5	3741.6	3597.5	3380.6	3188.0	3154.8	3070.6	3051.5	3134.4	3431.6
32.5°	4249.3	4237.9	4065.6	3802.9	3545.2	3506.9	3365.3	3314.3	3379.3	3657.4
35°	4660.1	4649.9	4507.0	4236.6	3921.5	3874.3	3730.1	3672.7	3705.9	3947.0
37.5°	5031.3	5026.2	4903.8	4690.7	4365.4	4308.0	4146.0	4126.9	4120.5	4328.4
40°	5375.8	5363.0	5235.5	5123.2	4882.1	4829.8	4686.9	4670.3	4621.9	4797.9
42.5°	5757.2	5724.1	5539.1	5486.8	5421.7	5378.3	5292.9	5295.4	5188.3	5327.3
45°	6068.5	6049.4	5859.3	5828.7	5898.8	5881.0	5955.0	5974.1	5766.2	5882.2
47.5°	6402.7	6384.9	6224.1	6202.4	6392.5	6397.6	6659.1	6665.5	6330.0	6458.9
50°	6814.8	6789.3	6629.8	6656.6	6869.6	6888.8	7367.2	7323.8	6849.2	7044.4
52.5°	7086.5	7101.8	7067.4	7110.7	7401.6	7419.5	8063.7	7952.7	7363.3	7622.3
55°	7286.8	7317.4	7424.6	7524.1	7962.9	7980.8	8720.7	8551.0	7789.4	8158.1
57.5°	7544.5	7501.1	7701.4	7895.3	8496.1	8543.3	9359.8	9127.6	8167.0	8619.9
60°	7914.4	7883.8	8039.4	8326.5	9093.2	9168.4	10035.9	9646.8	8443.8	8986.0
62.5°	8664.5	8588.0	8612.2	8866.1	9845.8	9945.3	10798.8	10099.7	8581.6	9128.9
65°	9785.9	9654.5	9532.0	9708.1	10905.9	11004.2	11659.9	10455.6	8530.6	8852.1
67.5°	11198.1	11067.9	10917.4	11083.3	12467.4	12545.2	12722.5	10655.9	8128.7	7785.6
70°	12362.8	12314.3	12494.2	13176.7	14961.4	14963.9	14085.0	10490.1	7027.8	5519.9
72.5°	12208.4	12179.1	13126.9	15236.9	18104.7	18037.1	15374.7	9234.8	4734.1	2490.2
75°	10015.5	10205.6	11673.9	15199.9	19233.7	19224.8	14585.0	5870.8	1958.2	1032.0
77.5°	5370.7	5671.7	7578.9	11222.3	15015.0	15240.8	10254.1	2053.9	840.7	660.8
80°	1751.5	2014.3	3020.9	5713.8	9756.5	9714.4	4394.8	806.2	575.3	468.2
82.5°	743.7	774.3	1349.7	2698.1	5007.1	4929.3	1399.4	463.1	404.4	320.2
85°	290.9	325.3	595.8	1247.6	2168.7	2121.5	505.2	229.6	259.0	209.2
87.5°	95.7	116.1	213.0	427.4	674.8	650.6	123.7	79.1	112.3	95.7
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°
3144.6	0°	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6
3153.5	2.5°	3171.4	3191.8	3216.0	3251.8	3282.4	3307.9	3334.7	3351.3	3357.6	3376.8
3158.6	5°	3194.3	3239.0	3299.0	3357.6	3415.0	3449.5	3480.1	3495.4	3509.4	3519.6
3172.7	7.5°	3232.6	3290.0	3384.4	3461.0	3509.4	3537.5	3557.9	3552.8	3557.9	3560.5
3188.0	10°	3265.8	3346.2	3458.4	3531.1	3568.1	3569.4	3564.3	3546.4	3537.5	3538.8
3210.9	12.5°	3305.3	3394.6	3515.8	3577.1	3587.3	3559.2	3537.5	3506.9	3495.4	3490.3
3245.4	15°	3358.9	3461.0	3578.3	3601.3	3575.8	3540.1	3503.1	3453.3	3427.8	3407.4
3304.1	17.5°	3424.0	3536.2	3626.8	3610.2	3555.4	3496.7	3436.7	3361.5	3309.2	3287.5
3384.4	20°	3514.5	3615.3	3663.8	3591.1	3508.2	3418.9	3316.8	3225.0	3176.5	3154.8
3486.5	22.5°	3624.3	3721.2	3699.5	3557.9	3440.6	3297.7	3170.1	3102.5	3078.3	3062.9
3617.9	25°	3755.7	3838.6	3725.0	3509.4	3329.6	3136.9	3038.7	3017.0	3005.5	2994.1
3778.6	27.5°	3926.6	3971.2	3744.2	3438.0	3156.1	2966.0	2930.3	2934.1	2930.3	2911.1
4001.9	30°	4152.4	4143.5	3762.0	3321.9	2957.1	2811.6	2814.2	2830.8	2833.3	2820.6
4313.1	32.5°	4449.6	4359.1	3771.0	3171.4	2767.0	2676.4	2679.0	2696.8	2709.6	2687.9
4720.1	35°	4809.4	4610.4	3756.9	2982.6	2620.3	2547.6	2528.4	2533.5	2537.4	2517.0
5213.8	37.5°	5229.1	4892.3	3694.4	2773.4	2499.1	2421.3	2380.5	2346.0	2325.6	2306.5
5772.5	40°	5689.6	5199.7	3579.6	2569.3	2363.9	2287.3	2226.1	2161.0	2092.1	2066.6
6364.5	42.5°	6171.8	5516.1	3440.6	2374.1	2208.2	2145.7	2080.7	1986.3	1882.9	1830.6
6979.3	45°	6671.9	5840.1	3304.1	2181.4	2048.8	2022.0	1946.7	1833.2	1720.9	1654.6
7595.5	47.5°	7161.8	6146.3	3103.8	1987.5	1899.5	1928.9	1870.2	1765.6	1640.5	1535.9
8206.6	50°	7629.9	6433.3	2775.9	1791.1	1778.3	1900.8	1844.7	1694.1	1551.2	1417.3
8806.1	52.5°	8094.3	6665.5	2356.2	1612.5	1713.3	1893.1	1811.5	1645.6	1470.9	1330.6
9370.0	55°	8488.5	6785.4	1951.8	1459.4	1618.9	1828.1	1771.9	1588.2	1357.3	1208.1
9756.5	57.5°	8713.0	6688.5	1615.0	1308.9	1488.7	1720.9	1704.3	1465.8	1222.1	1107.3
9831.8	60°	8616.1	6295.6	1339.5	1177.5	1365.0	1604.8	1587.0	1344.6	1118.8	1010.4
9428.7	62.5°	8081.5	5546.7	1121.3	1062.7	1252.7	1486.2	1469.6	1251.5	1039.7	935.1
8358.4	65°	7004.9	4512.1	951.7	967.0	1139.2	1343.3	1367.5	1173.6	977.2	875.1
6466.5	67.5°	5342.6	3268.3	819.0	884.1	1028.2	1203.0	1273.1	1117.5	924.9	827.9
3741.6	70°	3045.1	1856.1	706.7	803.7	930.0	1072.9	1200.4	1072.9	868.7	788.4
1402.0	72.5°	1154.5	852.2	611.1	723.3	835.6	963.2	1120.1	1002.7	803.7	743.7
724.6	75°	616.2	519.2	514.1	628.9	727.1	856.0	1019.3	933.8	755.2	785.8
501.3	77.5°	419.7	367.4	429.9	538.3	608.5	737.4	912.1	829.2	654.4	651.9
347.0	80°	290.9	260.2	349.5	433.7	470.7	620.0	796.0	711.8	533.2	497.5
214.3	82.5°	174.8	169.7	261.5	324.0	333.0	478.4	659.5	597.0	436.3	380.2
127.6	85°	95.7	100.8	167.1	190.1	193.9	334.2	516.7	461.8	335.5	281.9
45.9	87.5°	26.8	34.4	61.2	75.3	93.1	173.5	307.4	274.3	168.4	117.4
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°
3144.6
3375.5
3522.2
3564.3
3541.3
3487.8
3413.8
3288.7
3152.2
3065.5
2994.1
2915.0
2826.9
2698.1
2531.0
2319.2
2078.1
1837.0
1649.5
1524.5
1405.8
1315.2
1195.3
1092.0
995.0
918.5
858.5
812.6
778.2
733.5
811.3
600.9
475.8
382.7
284.5
117.4
0.0

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