

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: P847565

Luminaire Tested: **GLAN-SB3D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17434 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

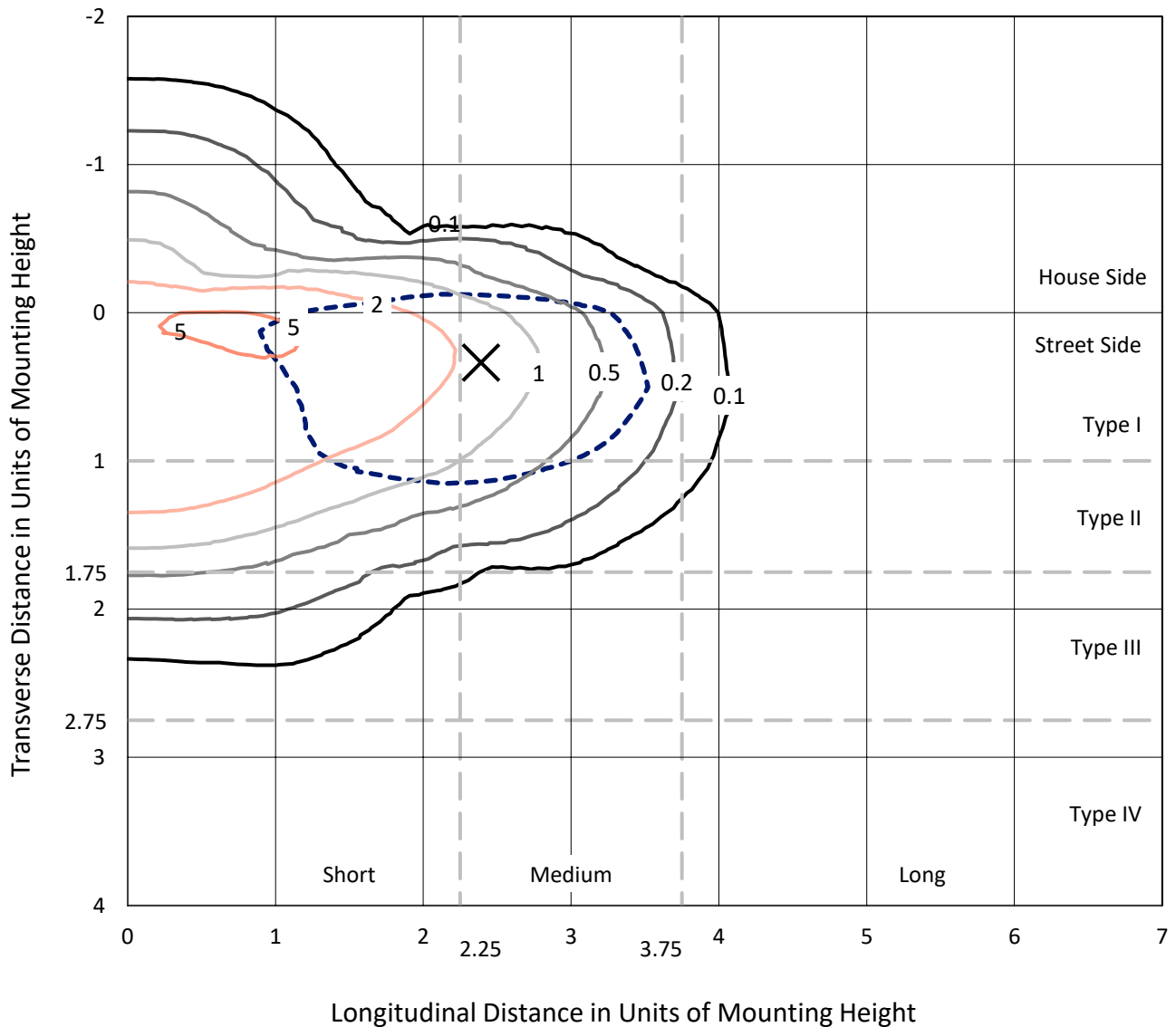
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

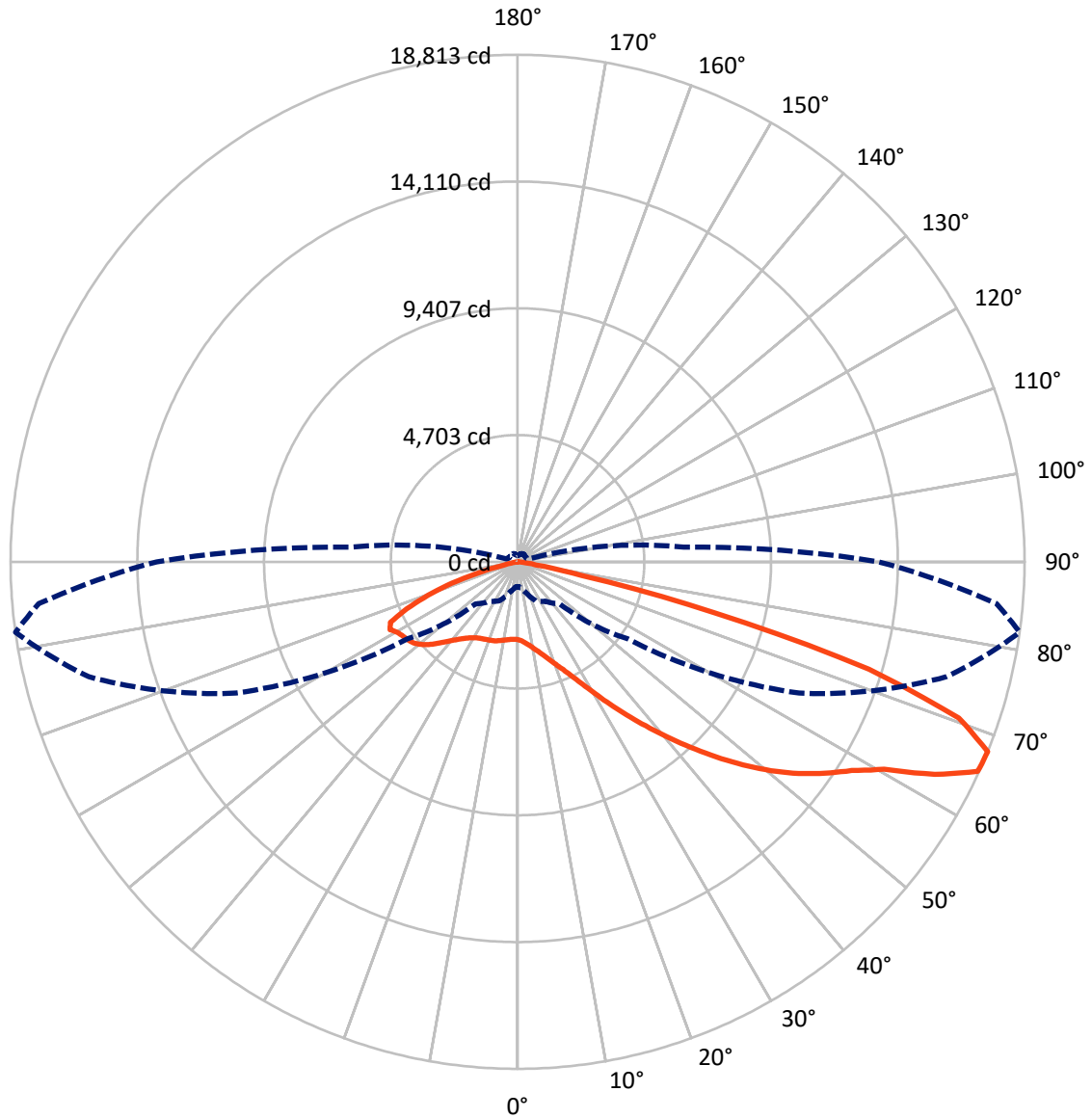
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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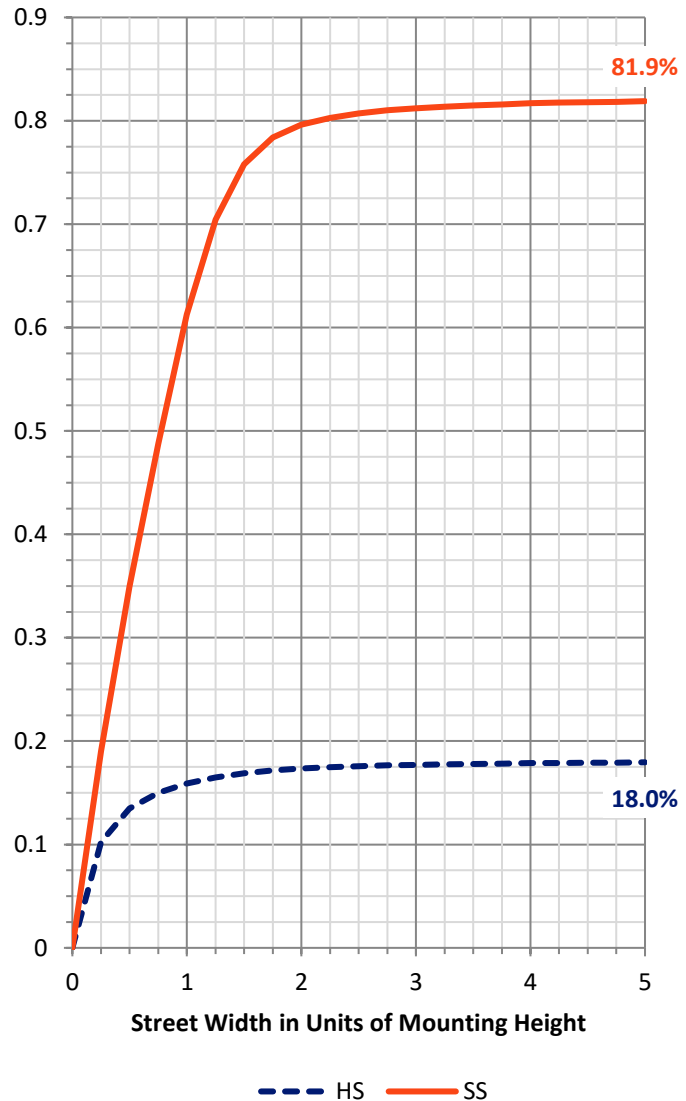
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3158.0	0.0	3158.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14276.0	0.0	14276.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	17434.0	0.0	17434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	1.5
10°-20°	668.7	3.8
20°-30°	1071.0	6.1
30°-40°	1893.8	10.9
40°-50°	3318.2	19.0
50°-60°	4425.6	25.4
60°-70°	4120.0	23.6
70°-80°	1581.2	9.1
80°-90°	98.2	0.6
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°	17434.0	100.0
0°-180°	17434.0	100.0

Coefficient of Utilization

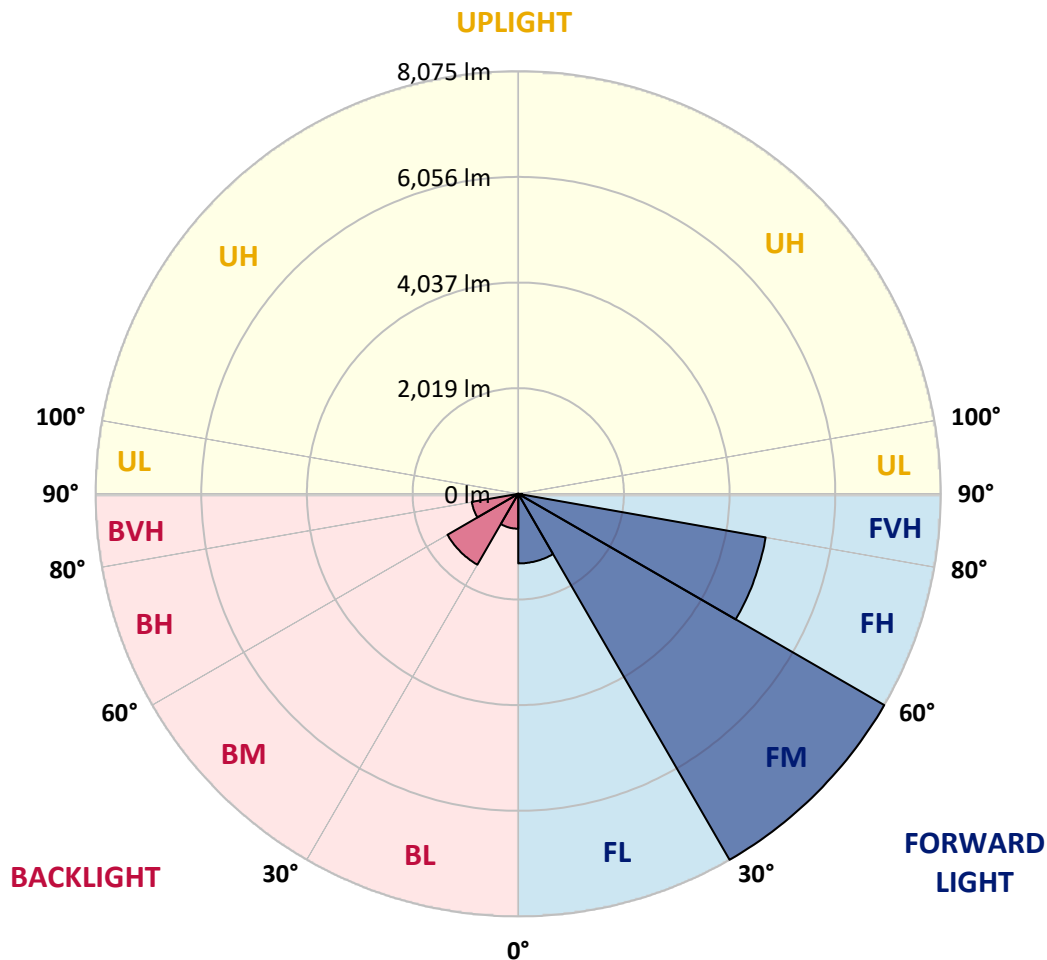


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.0	7.6			
FM (30°-60°)	8074.7	46.3			
FH (60°-80°)	4799.8	27.5			G2/5000
FVH (80°-90°)	71.4	0.4			G1/100
BL (0°-30°)	667.0	3.8	B2/1000		
BM (30°-60°)	1562.9	9.0	B2/2500		
BH (60°-80°)	901.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	26.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2
2.5°	3052.7	3070.2	3060.2	3055.2	3046.4	3033.8	3023.8	2992.4	2959.8	2938.4
5°	3114.2	3131.7	3130.5	3135.5	3141.8	3145.5	3143.0	3107.9	3061.4	3025.0
7.5°	3061.4	3081.5	3097.8	3122.9	3166.9	3213.3	3235.9	3228.4	3180.7	3130.5
10°	2912.1	2933.4	2972.3	3031.3	3124.2	3224.6	3308.7	3347.6	3317.5	3262.3
12.5°	2638.4	2659.8	2736.3	2864.4	3020.0	3194.5	3355.2	3459.3	3466.9	3411.6
15°	2330.9	2352.3	2433.8	2594.5	2831.7	3111.7	3380.3	3577.3	3643.9	3596.2
17.5°	2140.1	2159.0	2220.5	2349.7	2597.0	2946.0	3371.5	3702.9	3854.7	3817.1
20°	2082.4	2098.7	2127.6	2217.9	2423.8	2774.0	3313.7	3820.8	4081.9	4060.6
22.5°	2143.9	2159.0	2167.7	2207.9	2337.2	2661.0	3240.9	3941.3	4345.5	4348.0
25°	2285.7	2300.8	2290.7	2315.9	2372.3	2625.9	3213.3	4083.2	4676.9	4704.5
27.5°	2519.2	2520.4	2496.6	2495.3	2504.1	2678.6	3242.2	4235.1	5094.9	5146.3
30°	2987.4	2968.6	2876.9	2777.8	2732.6	2836.8	3322.5	4414.6	5588.2	5679.8
32.5°	3709.1	3681.5	3513.3	3276.1	3037.6	3091.6	3466.9	4619.1	6125.4	6291.1
35°	4492.4	4484.8	4309.1	3956.4	3539.7	3454.3	3701.6	4887.8	6711.6	6975.2
37.5°	5220.4	5216.6	5116.2	4700.7	4193.6	3960.2	4078.2	5239.2	7339.2	7720.8
40°	5885.7	5896.9	5796.5	5425.0	4914.1	4609.1	4590.3	5673.5	8037.1	8532.9
42.5°	6460.5	6473.1	6371.4	6096.5	5625.8	5327.1	5219.1	6205.7	8718.6	9405.2
45°	6850.9	6928.7	6913.7	6694.0	6356.4	6046.3	5974.8	6873.5	9495.6	10330.3
47.5°	6961.4	7032.9	7145.9	7176.0	6970.1	6665.1	6750.5	7678.1	10281.4	11256.7
50°	6689.0	6755.5	6990.2	7302.8	7445.9	7351.7	7504.9	8540.4	11086.0	12180.5
52.5°	6151.8	6219.5	6515.8	7010.3	7594.0	7890.2	8261.8	9390.2	11865.4	13055.4
55°	5374.8	5446.3	5826.7	6386.5	7311.6	8112.4	8893.1	10238.7	12579.7	13842.4
57.5°	4317.9	4370.6	4766.0	5549.3	6601.1	7891.5	9358.8	11165.0	13252.4	14615.6
60°	2814.2	2860.6	3320.0	4193.6	5423.7	7153.4	9451.7	12198.1	14146.1	15621.0
62.5°	1871.5	1902.9	2175.3	2816.7	3819.6	5736.3	8908.2	13022.7	15456.6	17370.8
65°	1284.1	1315.5	1587.8	2034.7	2467.7	3794.5	7345.5	12913.5	16644.0	18760.3
67.5°	916.3	942.7	1173.6	1595.4	1786.2	2204.1	4979.4	11517.7	16473.3	18813.0
70°	656.5	671.5	862.3	1242.7	1419.6	1324.2	2769.0	8809.0	14423.5	17372.0
72.5°	459.4	464.4	598.7	946.4	1143.5	966.5	1318.0	5873.1	10909.0	13635.3
75°	311.3	317.6	402.9	694.1	917.6	738.1	697.9	3149.3	6404.0	7547.5
77.5°	190.8	193.3	259.8	474.5	686.6	562.3	449.4	1334.3	2477.8	2432.6
80°	107.9	107.9	165.7	295.0	468.2	362.8	315.1	567.4	784.5	689.1
82.5°	60.2	61.5	120.5	183.3	310.0	214.6	173.2	262.3	338.9	300.0
85°	25.1	27.6	74.1	86.6	148.1	106.7	70.3	110.5	125.5	111.7
87.5°	2.5	3.8	22.6	16.3	17.6	21.3	10.0	21.3	17.6	17.6
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°
2888.2	0°	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2	2888.2
2930.9	2.5°	2907.1	2888.2	2840.5	2785.3	2712.5	2677.3	2629.7	2597.0	2569.4	2571.9
3003.7	5°	2963.5	2915.8	2809.1	2676.1	2510.4	2392.4	2266.9	2180.3	2110.0	2094.9
3104.1	7.5°	3041.4	2966.0	2779.0	2539.3	2259.4	2047.2	1857.7	1735.9	1649.3	1621.7
3225.9	10°	3141.8	3032.6	2740.1	2367.3	1964.4	1694.5	1491.2	1395.8	1336.8	1316.7
3369.0	12.5°	3258.5	3109.1	2688.6	2157.7	1660.6	1400.8	1271.5	1223.8	1205.0	1198.7
3544.7	15°	3405.4	3204.5	2610.8	1909.2	1403.3	1221.3	1166.1	1159.8	1162.3	1159.8
3755.6	17.5°	3579.8	3308.7	2484.0	1653.1	1230.1	1129.7	1109.6	1114.6	1120.9	1119.6
3991.5	20°	3770.6	3411.6	2322.1	1425.9	1112.1	1064.4	1053.1	1058.1	1063.2	1060.6
4263.9	22.5°	3987.8	3522.1	2142.6	1248.9	1033.0	1004.2	991.6	992.9	992.9	987.8
4609.1	25°	4247.6	3643.9	1954.4	1123.4	972.8	950.2	935.1	930.1	922.6	907.5
5028.3	27.5°	4557.6	3773.1	1773.6	1035.5	925.1	903.7	886.2	873.6	854.8	829.7
5531.7	30°	4906.6	3930.0	1620.5	980.3	887.4	866.1	846.0	827.2	799.6	768.2
6110.3	32.5°	5317.0	4098.2	1508.8	943.9	853.5	830.9	807.1	784.5	754.4	723.0
6760.5	35°	5806.6	4301.6	1443.5	918.8	827.2	797.1	770.7	745.6	723.0	695.4
7467.2	37.5°	6337.5	4517.5	1423.4	906.3	809.6	763.2	733.0	715.5	713.0	696.6
8231.6	40°	6918.7	4773.5	1438.5	898.7	790.8	730.5	697.9	694.1	700.4	671.5
9048.8	42.5°	7533.7	5077.3	1463.6	889.9	764.4	697.9	666.5	666.5	661.5	621.3
9912.3	45°	8199.0	5427.5	1488.7	868.6	733.0	665.3	641.4	632.6	611.3	572.4
10780.9	47.5°	8869.3	5784.0	1507.5	829.7	695.4	637.6	616.3	596.2	564.8	529.7
11633.2	50°	9505.7	6104.1	1487.4	772.0	652.7	611.3	588.7	561.1	527.2	503.3
12440.3	52.5°	10074.3	6381.5	1402.1	704.2	607.5	583.7	563.6	534.7	507.1	482.0
13168.3	55°	10568.8	6606.1	1251.4	640.2	567.4	559.8	539.7	503.3	465.7	444.3
13890.1	57.5°	11043.3	6776.8	1063.2	587.4	531.0	533.5	503.3	470.7	435.6	413.0
14862.9	60°	11674.7	7005.3	872.4	538.5	492.0	499.6	466.9	443.1	399.2	370.3
16531.0	62.5°	12683.8	7360.5	692.9	478.2	446.9	449.4	435.6	406.7	354.0	320.1
17767.4	65°	13484.7	7230.0	546.0	413.0	395.4	399.2	399.2	367.8	311.3	272.4
17833.9	67.5°	13394.3	6190.7	435.6	348.9	346.4	348.9	357.7	331.4	276.1	244.8
16475.8	70°	12338.7	4924.2	348.9	290.0	301.2	295.0	320.1	302.5	248.5	217.2
12773.0	72.5°	10068.0	3547.2	266.1	239.7	231.0	241.0	288.7	272.4	207.1	172.0
6765.5	75°	5883.1	1892.8	198.3	189.5	166.9	200.8	256.1	232.2	158.2	126.8
2073.6	77.5°	1915.4	660.2	145.6	139.3	124.3	161.9	218.4	195.8	129.3	100.4
607.5	80°	513.4	199.6	99.2	91.6	80.3	120.5	173.2	155.6	92.9	65.3
261.1	82.5°	205.9	84.1	57.7	51.5	43.9	82.8	136.8	125.5	69.0	41.4
81.6	85°	66.5	27.6	21.3	16.3	20.1	51.5	81.6	85.4	49.0	21.3
12.6	87.5°	8.8	3.8	3.8	5.0	3.8	8.8	25.1	23.8	13.8	2.5
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>
2888.2
2546.8
2061.0
1594.1
1301.6
1195.0
1158.6
1117.1
1059.4
985.3
905.0
827.2
765.7
724.3
692.9
695.4
672.8
621.3
571.1
528.4
499.6
479.5
441.8
410.5
366.5
317.6
268.6
239.7
213.4
168.2
123.0
96.7
64.0
41.4
16.3
0.0
0.0

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