

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: P853205

Luminaire Tested: **GLAN-SB9C-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853205
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-SB9C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52721 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

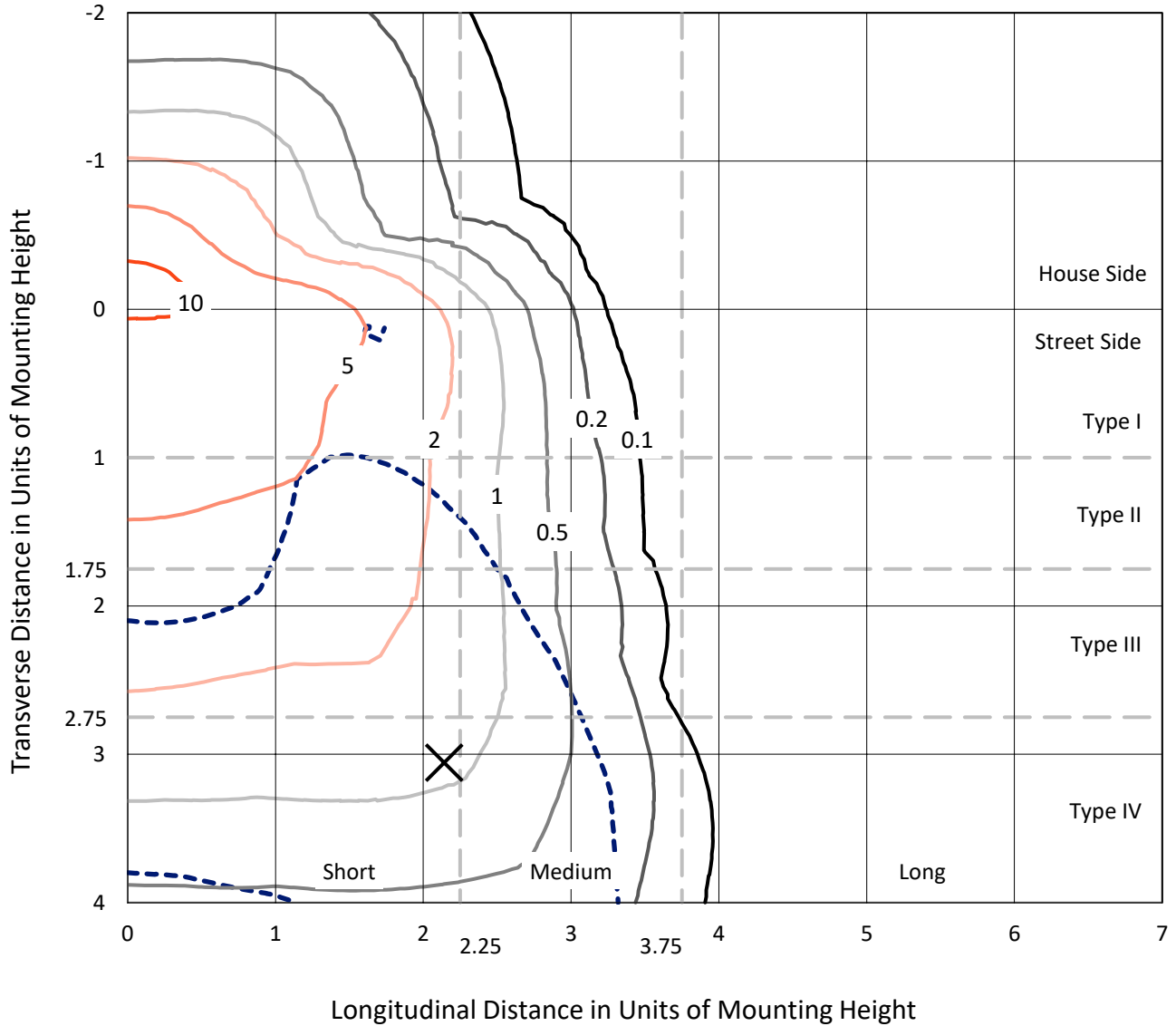
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

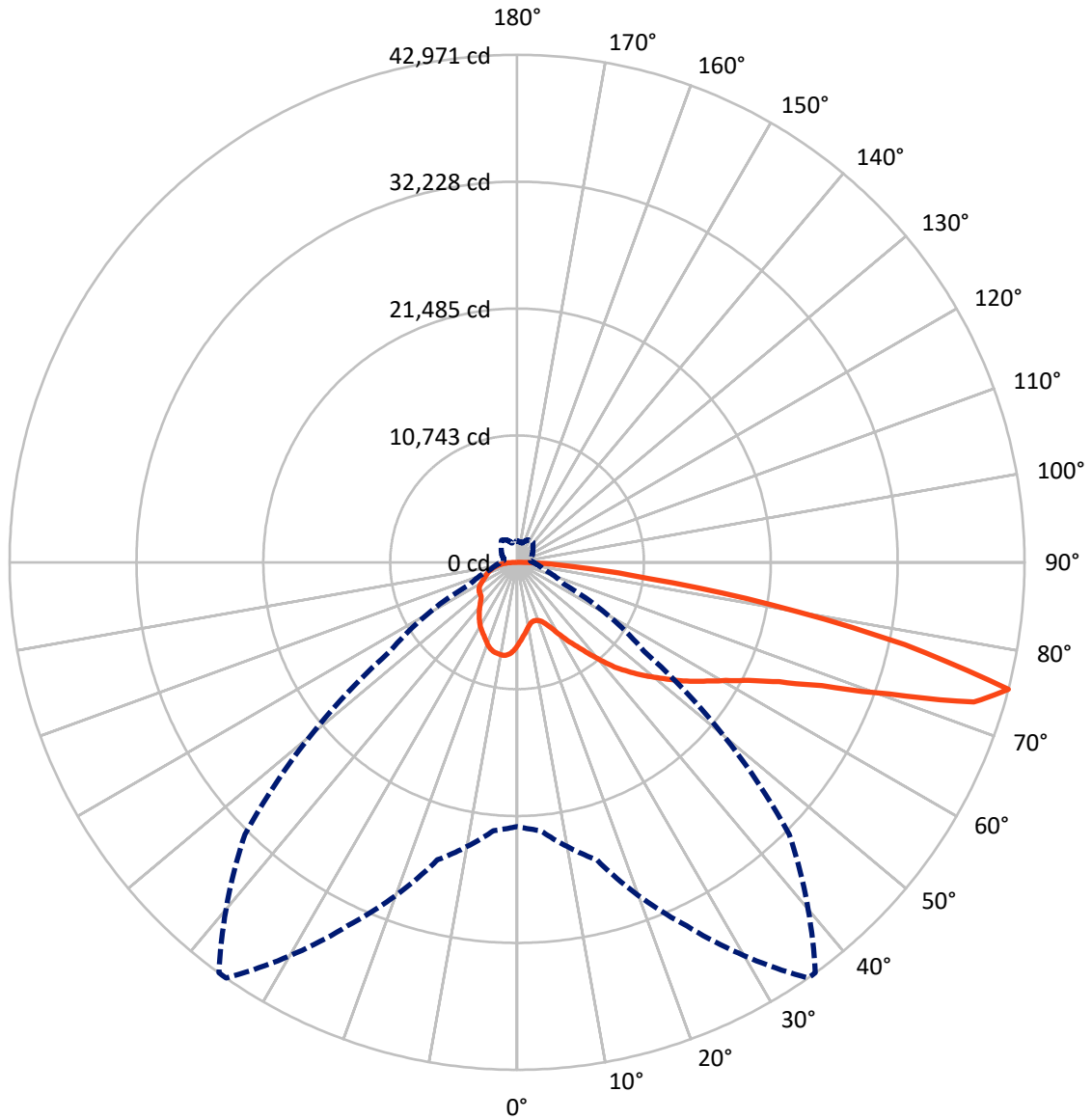
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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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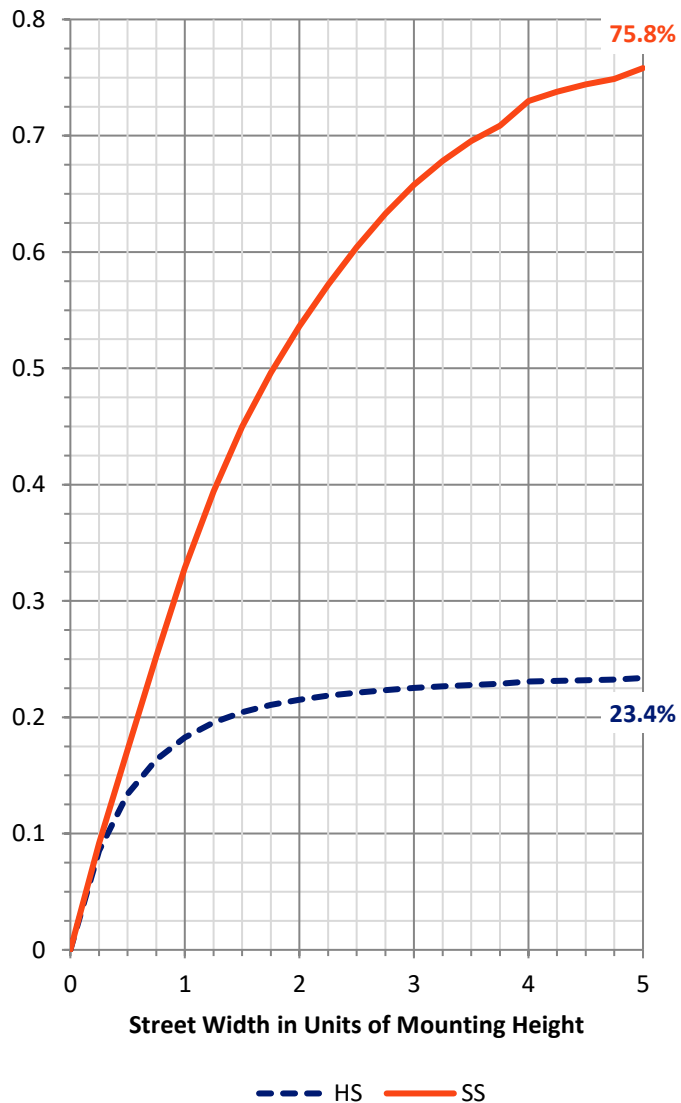
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12546.3	0.0	12546.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	40174.7	0.0	40174.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	52721.0	0.0	52721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.2	1.3
10°-20°	1918.6	3.6
20°-30°	3221.9	6.1
30°-40°	5007.3	9.5
40°-50°	7432.1	14.1
50°-60°	10260.5	19.5
60°-70°	12448.3	23.6
70°-80°	10287.6	19.5
80°-90°	1479.7	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°	52721.0	100.0
0°-180°	52721.0	100.0

Coefficient of Utilization

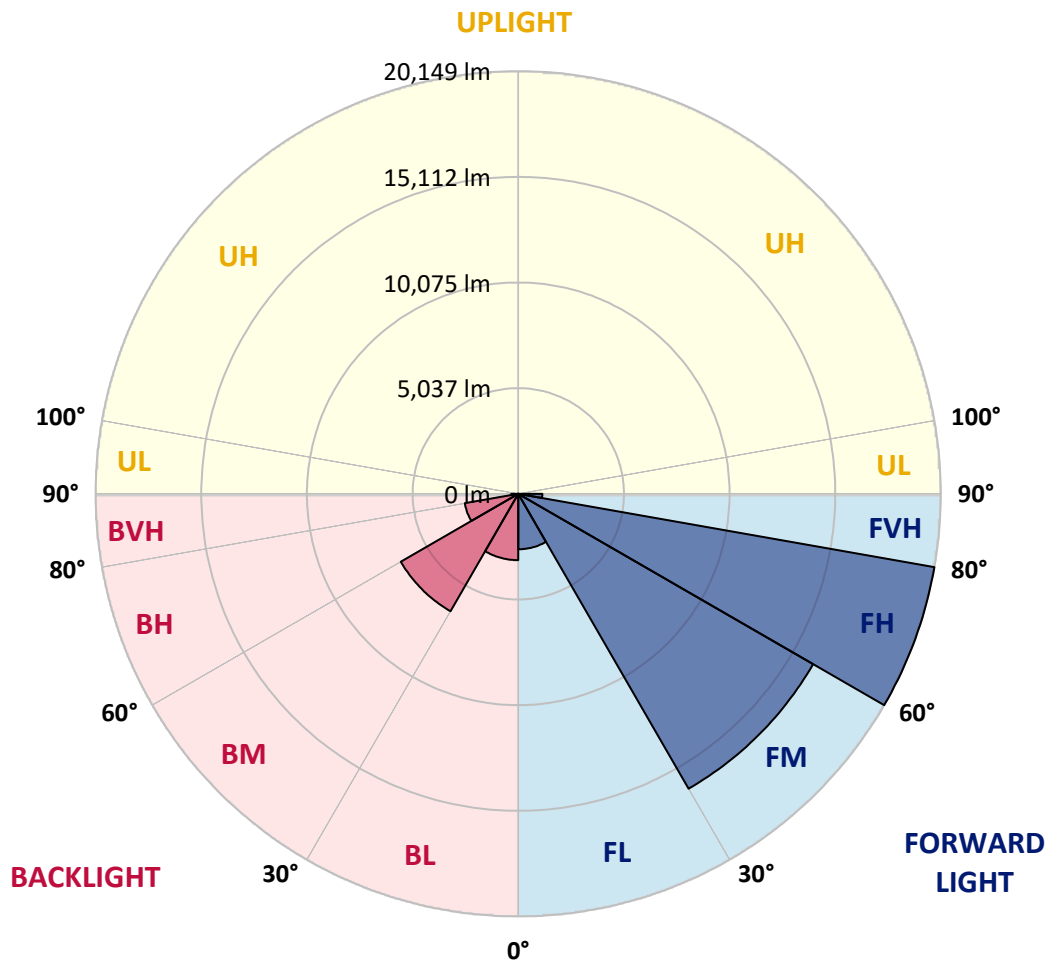


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2643.9	5.0			
FM (30°-60°)	16235.2	30.8			
FH (60°-80°)	20149.2	38.2			G5
FVH (80°-90°)	1146.5	2.2			G5
BL (0°-30°)	3161.8	6.0	B4/5000		
BM (30°-60°)	6464.6	12.3	B4/8500		
BH (60°-80°)	2586.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	333.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4
2.5°	6478.2	6518.1	6535.2	6526.7	6569.4	6563.7	6623.6	6697.7	6800.3	6900.0
5°	5979.5	6022.2	6059.3	6093.5	6176.1	6201.8	6295.8	6438.3	6626.4	6817.4
7.5°	5514.9	5551.9	5608.9	5671.6	5811.3	5836.9	5993.7	6216.0	6478.2	6757.5
10°	5135.8	5172.9	5232.7	5304.0	5477.8	5509.2	5708.7	6005.1	6347.1	6700.5
12.5°	4973.4	4984.8	5019.0	5090.2	5241.3	5261.2	5480.7	5819.8	6218.9	6657.8
15°	4964.8	4987.6	4990.5	5027.5	5152.9	5161.5	5363.8	5700.1	6139.1	6649.2
17.5°	5050.3	5067.4	5041.8	5064.6	5170.0	5184.3	5343.9	5643.1	6113.4	6686.3
20°	5278.3	5292.6	5215.6	5184.3	5261.2	5272.6	5429.4	5680.2	6139.1	6763.2
22.5°	5762.8	5771.4	5583.3	5455.0	5460.7	5466.4	5603.2	5831.2	6238.8	6902.9
25°	6518.1	6512.4	6213.2	5965.2	5822.7	5791.3	5882.6	6076.4	6407.0	7088.1
27.5°	7401.6	7358.9	7059.6	6689.1	6378.5	6332.9	6312.9	6395.6	6646.4	7333.2
30°	8399.2	8359.3	8037.2	7552.7	7122.3	7048.2	6860.1	6817.4	7002.6	7666.7
32.5°	9493.6	9467.9	9083.2	8496.1	7920.4	7834.9	7518.5	7404.5	7549.8	8171.2
35°	10411.3	10388.5	10069.3	9465.1	8761.1	8655.7	8333.6	8205.4	8279.5	8818.1
37.5°	11240.7	11229.3	10955.7	10479.7	9752.9	9624.7	9262.7	9220.0	9205.7	9670.3
40°	12010.2	11981.7	11696.7	11445.9	10907.2	10790.4	10471.2	10434.1	10325.8	10719.1
42.5°	12862.4	12788.3	12375.0	12258.2	12112.8	12015.9	11825.0	11830.7	11591.2	11901.9
45°	13557.8	13515.0	13090.4	13022.0	13178.7	13138.8	13304.1	13346.9	12882.3	13141.7
47.5°	14304.5	14264.6	13905.5	13857.1	14281.7	14293.1	14877.4	14891.6	14142.1	14429.9
50°	15225.1	15168.1	14811.8	14871.7	15347.6	15390.4	16459.2	16362.3	15302.0	15738.1
52.5°	15832.2	15866.4	15789.4	15886.3	16536.1	16576.0	18015.3	17767.4	16450.6	17029.2
55°	16279.6	16348.0	16587.4	16809.7	17790.2	17830.1	19483.1	19104.0	17402.5	18226.2
57.5°	16855.3	16758.4	17205.9	17639.1	18981.5	19086.9	20911.0	20392.3	18246.2	19257.9
60°	17681.9	17613.5	17961.2	18602.4	20315.3	20483.5	22421.5	21552.3	18864.6	20075.9
62.5°	19357.7	19186.7	19240.8	19808.0	21996.9	22219.2	24125.9	22564.0	19172.4	20395.1
65°	21862.9	21569.4	21295.7	21689.1	24365.3	24584.7	26049.7	23359.2	19058.4	19776.7
67.5°	25017.9	24727.2	24390.9	24761.4	27853.8	28027.6	28423.8	23806.7	18160.7	17394.0
70°	27620.1	27511.8	27913.6	29438.4	33425.7	33431.4	31467.7	23436.2	15701.1	12332.3
72.5°	27275.2	27209.6	29327.3	34041.3	40448.2	40297.2	34349.1	20631.7	10576.6	5563.3
75°	22375.9	22800.6	26081.0	33958.6	42970.6	42950.6	32584.9	13116.0	4374.9	2305.7
77.5°	11998.8	12671.4	16932.3	25072.1	33545.4	34049.8	22908.9	4588.6	1878.2	1476.3
80°	3913.2	4500.3	6749.0	12765.5	21797.4	21703.3	9818.5	1801.2	1285.4	1046.0
82.5°	1661.6	1730.0	3015.4	6027.9	11186.5	11012.7	3126.5	1034.6	903.5	715.4
85°	649.8	726.8	1331.0	2787.4	4845.1	4739.7	1128.6	513.0	578.6	467.4
87.5°	213.8	259.4	476.0	954.8	1507.7	1453.5	276.5	176.7	250.8	213.8
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°
7025.4	0°	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4	7025.4
7045.4	2.5°	7085.3	7130.9	7185.0	7264.8	7333.2	7390.2	7450.1	7487.1	7501.4	7544.1
7056.8	5°	7136.6	7236.3	7370.3	7501.4	7629.6	7706.6	7775.0	7809.2	7840.6	7863.4
7088.1	7.5°	7222.1	7350.3	7561.2	7732.2	7840.6	7903.3	7948.9	7937.5	7948.9	7954.6
7122.3	10°	7296.2	7475.7	7726.5	7889.0	7971.7	7974.5	7963.1	7923.2	7903.3	7906.1
7173.6	12.5°	7384.5	7584.0	7854.8	7991.6	8014.4	7951.7	7903.3	7834.9	7809.2	7797.8
7250.6	15°	7504.2	7732.2	7994.5	8045.8	7988.8	7909.0	7826.3	7715.1	7658.1	7612.5
7381.7	17.5°	7649.6	7900.4	8102.8	8065.7	7943.2	7812.1	7678.1	7509.9	7393.1	7344.6
7561.2	20°	7852.0	8077.1	8185.4	8023.0	7837.7	7638.2	7410.2	7205.0	7096.7	7048.2
7789.2	22.5°	8097.1	8313.7	8265.2	7948.9	7686.6	7367.4	7082.4	6931.4	6877.2	6843.0
8082.8	25°	8390.6	8575.9	8322.2	7840.6	7438.7	7008.3	6788.9	6740.4	6714.8	6689.1
8441.9	27.5°	8772.5	8872.3	8365.0	7680.9	7051.1	6626.4	6546.6	6555.2	6546.6	6503.9
8940.7	30°	9277.0	9257.0	8404.9	7421.6	6606.5	6281.6	6287.3	6324.3	6330.0	6301.5
9636.1	32.5°	9941.1	9738.7	8424.8	7085.3	6181.8	5979.5	5985.2	6025.1	6053.6	6005.1
10545.3	35°	10744.8	10300.2	8393.5	6663.5	5854.0	5691.6	5648.8	5660.2	5668.8	5623.2
11648.2	37.5°	11682.4	10930.0	8253.8	6196.1	5583.3	5409.4	5318.2	5241.3	5195.7	5152.9
12896.6	40°	12711.3	11616.9	7997.3	5740.0	5281.2	5110.2	4973.4	4828.0	4674.1	4617.1
14219.0	42.5°	13788.7	12323.7	7686.6	5304.0	4933.5	4793.8	4648.5	4437.6	4206.7	4089.9
15592.7	45°	14905.9	13047.6	7381.7	4873.6	4577.2	4517.4	4349.2	4095.6	3844.7	3696.5
16969.3	47.5°	16000.3	13731.7	6934.2	4440.4	4243.8	4309.3	4178.2	3944.5	3665.2	3431.5
18334.5	50°	17046.3	14372.9	6201.8	4001.5	3973.0	4246.6	4121.2	3784.9	3465.7	3166.4
19674.1	52.5°	18083.7	14891.6	5264.1	3602.5	3827.6	4229.5	4047.1	3676.6	3286.1	2972.6
20933.8	55°	18964.4	15159.5	4360.6	3260.5	3616.7	4084.2	3958.8	3548.3	3032.5	2699.0
21797.4	57.5°	19466.0	14942.9	3608.2	2924.2	3326.0	3844.7	3807.7	3274.7	2730.4	2473.9
21965.5	60°	19249.4	14065.1	2992.6	2630.6	3049.6	3585.4	3545.5	3004.0	2499.5	2257.3
21064.9	62.5°	18055.2	12392.1	2505.2	2374.1	2798.8	3320.3	3283.3	2795.9	2322.8	2089.1
18673.7	65°	15649.8	10080.7	2126.2	2160.4	2545.1	3001.1	3055.3	2622.1	2183.2	1955.2
14447.0	67.5°	11936.1	7301.9	1829.7	1975.1	2297.2	2687.6	2844.4	2496.7	2066.3	1849.7
8359.3	70°	6803.1	4146.9	1578.9	1795.5	2077.7	2396.9	2681.9	2396.9	1940.9	1761.3
3132.2	72.5°	2579.3	1903.8	1365.2	1616.0	1866.8	2151.8	2502.4	2240.2	1795.5	1661.6
1618.8	75°	1376.6	1160.0	1148.6	1405.1	1624.5	1912.4	2277.2	2086.3	1687.2	1755.6
1120.1	77.5°	937.7	820.8	960.5	1202.7	1359.5	1647.3	2037.8	1852.5	1462.1	1456.4
775.2	80°	649.8	581.4	780.9	969.0	1051.7	1385.1	1778.4	1590.3	1191.3	1111.5
478.8	82.5°	390.5	379.1	584.3	723.9	743.9	1068.8	1473.5	1333.8	974.7	849.3
285.0	85°	213.8	225.2	373.4	424.7	433.2	746.7	1154.3	1031.7	749.6	629.9
102.6	87.5°	59.9	77.0	136.8	168.2	208.1	387.6	686.9	612.8	376.2	262.2
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>
7025.4
7541.3
7869.1
7963.1
7911.8
7792.1
7626.8
7347.5
7042.5
6848.7
6689.1
6512.4
6315.8
6027.9
5654.5
5181.4
4642.8
4104.1
3685.1
3405.8
3140.8
2938.4
2670.5
2439.7
2223.1
2052.1
1918.1
1815.5
1738.5
1638.8
1812.6
1342.4
1063.1
855.0
635.6
262.2
0.0

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