

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: P848926

Luminaire Tested: **GLAN-SB5D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39828 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

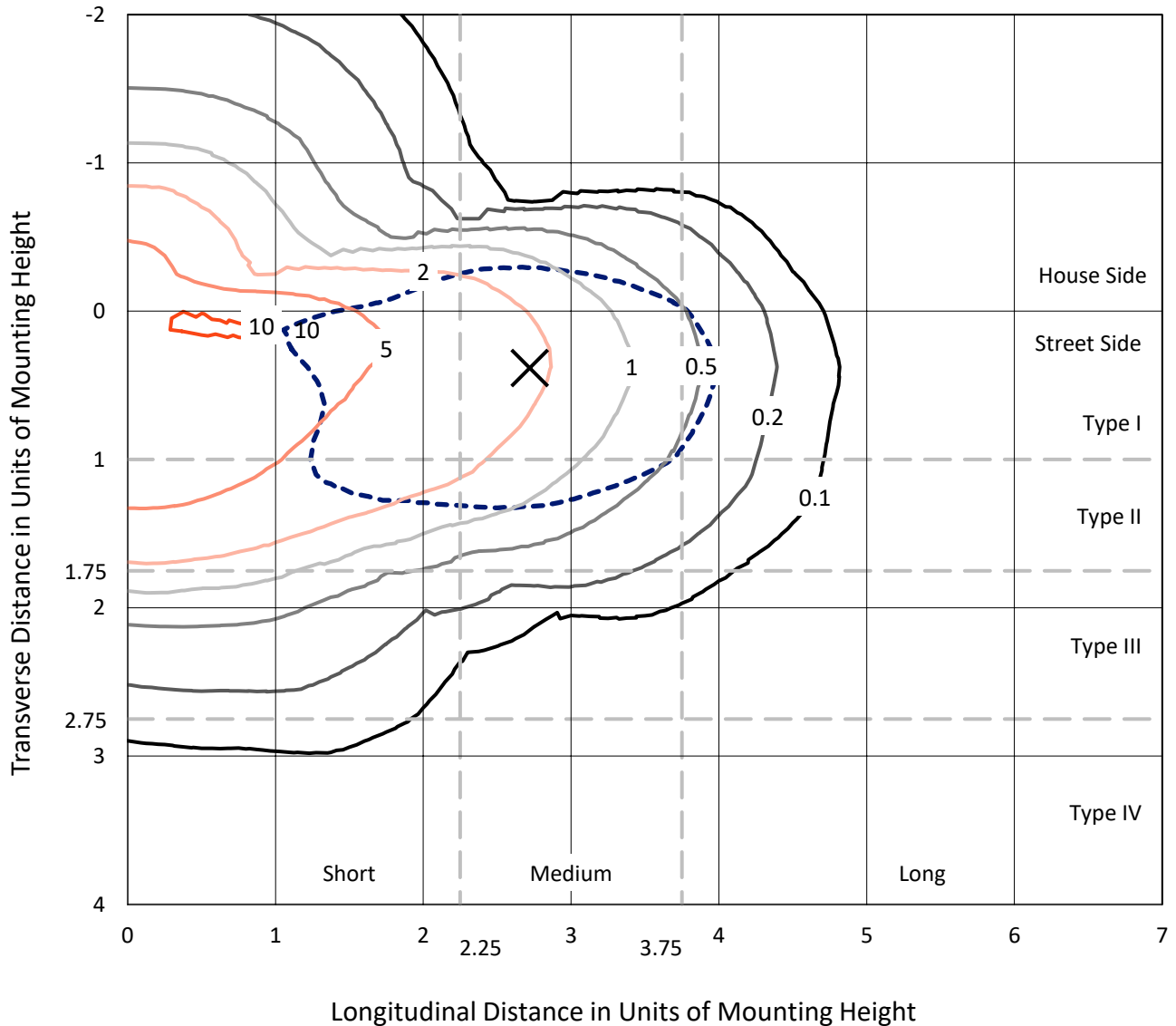
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

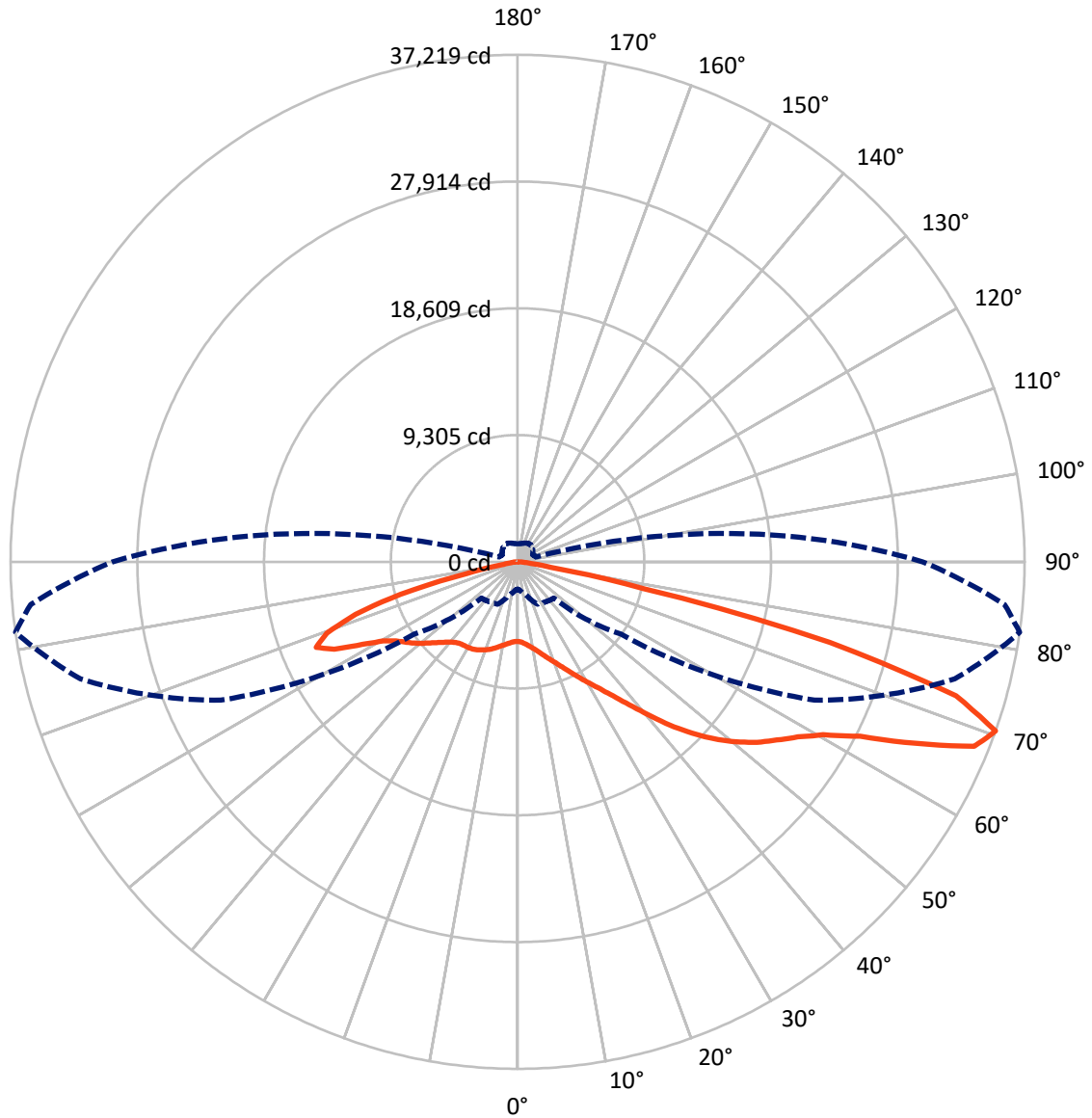
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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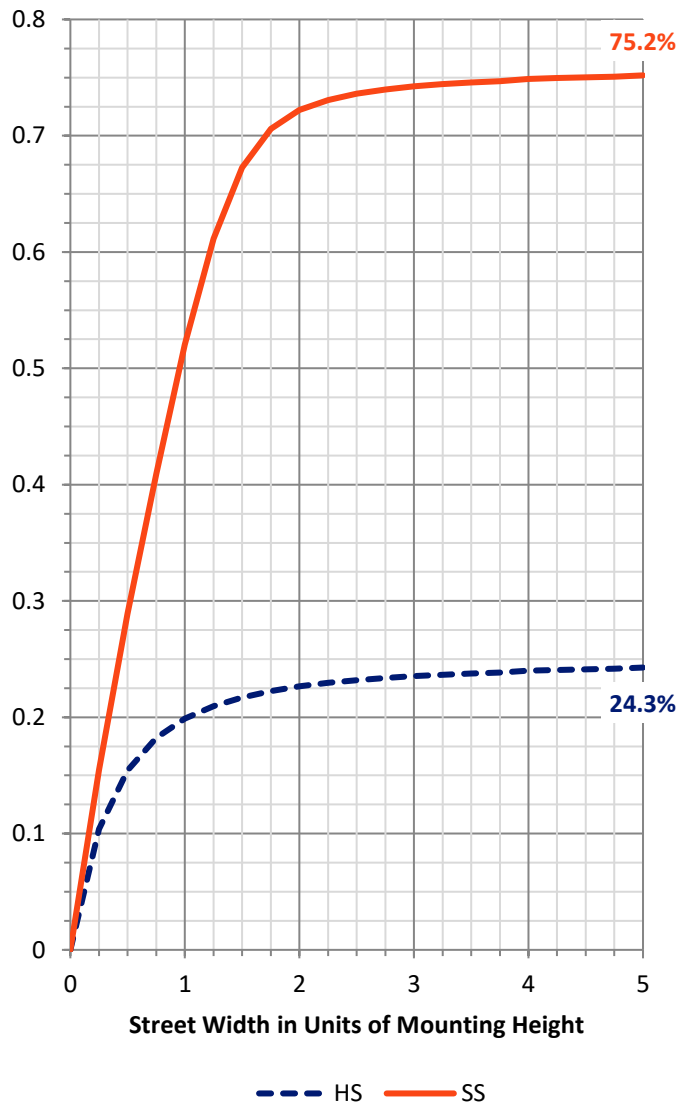
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9818.6	0.0	9818.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	30009.4	0.0	30009.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	39828.0	0.0	39828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.3	1.4
10°-20°	1584.0	4.0
20°-30°	2649.9	6.7
30°-40°	4139.8	10.4
40°-50°	6593.1	16.6
50°-60°	9175.1	23.0
60°-70°	9597.6	24.1
70°-80°	5016.2	12.6
80°-90°	520.9	1.3
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°	39828.0	100.0
0°-180°	39828.0	100.0

Coefficient of Utilization



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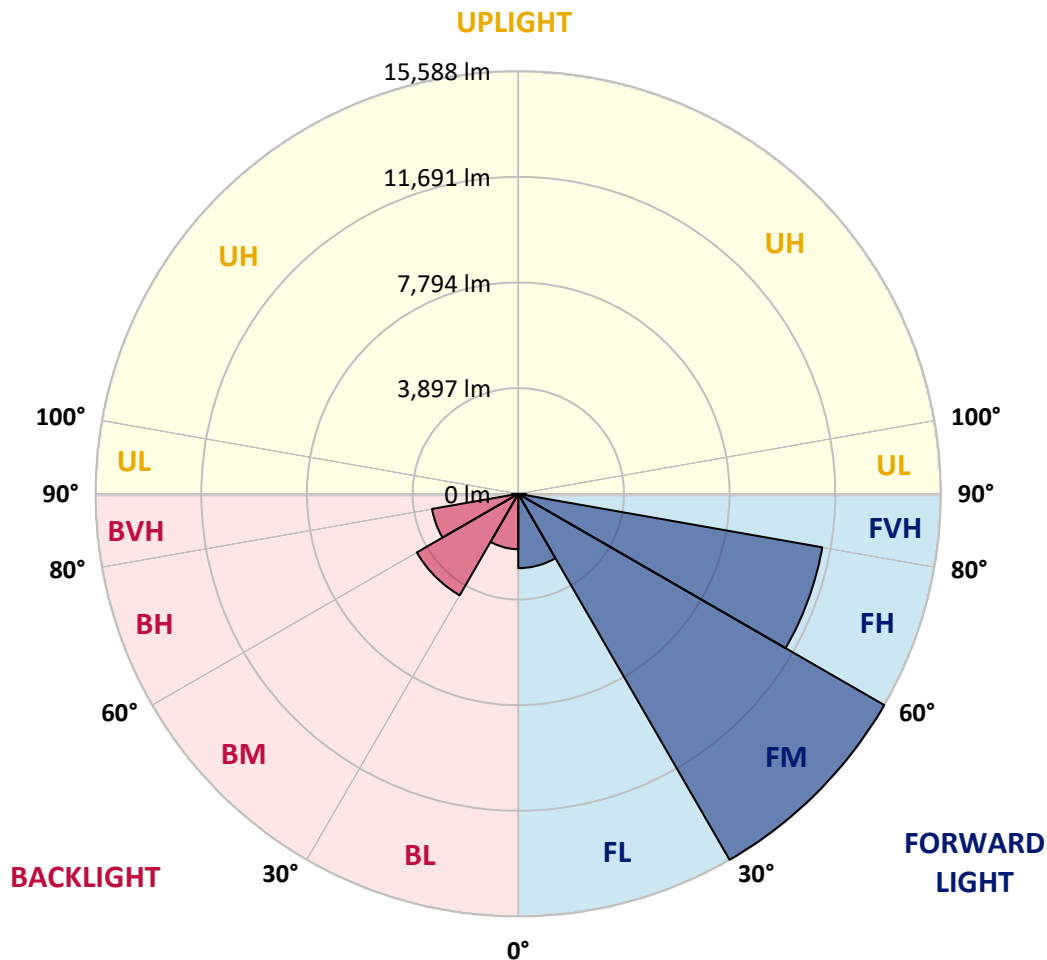
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2742.6	6.9			
FM (30°-60°)	15588.3	39.1			
FH (60°-80°)	11387.0	28.6			G4/12000
FVH (80°-90°)	291.6	0.7			G3/500
BL (0°-30°)	2042.6	5.1	B3/2500		
BM (30°-60°)	4319.8	10.8	B3/5000		
BH (60°-80°)	3226.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	229.3	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3
2.5°	5978.8	6012.6	6002.0	5991.4	5991.4	5976.7	5974.5	5953.4	5936.5	5909.0
5°	6054.8	6090.8	6086.5	6095.0	6122.5	6128.8	6135.2	6122.5	6088.7	6054.8
7.5°	5987.2	6027.4	6040.1	6090.8	6175.3	6251.4	6308.5	6331.7	6300.0	6251.4
10°	5759.0	5803.4	5847.7	5968.2	6118.2	6297.9	6450.1	6540.9	6534.6	6488.1
12.5°	5296.1	5342.6	5437.7	5672.3	5947.1	6264.1	6547.3	6737.5	6803.0	6769.2
15°	4926.3	4966.5	5038.3	5279.2	5636.4	6118.2	6583.2	6953.0	7120.0	7101.0
17.5°	4915.7	4932.6	4977.0	5091.1	5365.9	5890.0	6545.2	7164.4	7483.5	7481.4
20°	5101.7	5108.1	5133.4	5156.7	5313.0	5716.7	6447.9	7339.8	7891.4	7891.4
22.5°	5359.5	5355.3	5380.7	5359.5	5435.6	5701.9	6386.6	7494.1	8345.8	8379.6
25°	5746.3	5725.2	5718.8	5670.2	5685.0	5839.3	6454.3	7669.5	8884.7	8954.4
27.5°	6262.0	6228.1	6204.9	6092.9	6054.8	6122.5	6661.4	7880.8	9484.9	9605.3
30°	6934.0	6872.7	6838.9	6644.5	6507.1	6517.7	6974.2	8161.9	10112.5	10307.0
32.5°	7851.2	7756.1	7665.2	7346.1	7094.6	7012.2	7377.8	8550.8	10793.1	11103.7
35°	8878.3	8802.2	8705.0	8212.6	7825.9	7635.7	7923.1	9093.9	11589.8	12082.2
37.5°	9867.4	9801.9	9848.4	9184.8	8686.0	8409.2	8637.4	9823.0	12572.5	13299.5
40°	10890.3	10839.6	10845.9	10211.9	9630.7	9320.0	9503.9	10738.1	13699.0	14747.2
42.5°	12001.9	11963.9	11837.1	11274.9	10621.9	10332.3	10501.4	11794.8	14907.8	16395.6
45°	13246.7	13223.5	13105.1	12460.5	11712.4	11386.9	11615.2	12961.4	16123.0	17946.9
47.5°	14322.4	14341.4	14326.6	13783.5	13007.9	12530.3	12802.9	14178.7	17253.7	19405.1
50°	14840.2	14939.5	15085.3	14916.3	14434.4	13948.3	14001.2	15353.7	18331.5	20772.5
52.5°	14569.7	14757.8	15155.1	15425.6	15611.6	15510.1	15368.5	16520.3	19345.9	22006.7
55°	13561.6	13825.8	14485.1	15138.2	16087.1	16824.7	17010.6	17813.7	20335.0	23093.0
57.5°	11725.1	12154.1	12745.8	14066.7	15664.4	17460.8	18925.4	19608.0	21383.2	24253.2
60°	8576.1	9151.0	9886.4	11851.9	14185.0	17120.5	20554.8	22363.8	22873.2	25755.8
62.5°	5488.5	5843.5	6519.8	8371.1	11053.0	15377.0	21053.5	25808.7	25398.7	28220.0
65°	3757.6	3985.8	4605.1	5644.9	7145.4	11446.1	19717.9	28391.2	29409.9	32125.6
67.5°	2730.5	2903.8	3432.1	4343.0	4655.8	6773.4	15300.9	28272.9	33309.1	36149.5
70°	1990.8	2113.4	2557.2	3432.1	3582.2	3768.2	9269.3	24033.4	33224.5	37218.8
72.5°	1475.1	1559.7	1857.7	2662.9	2899.6	2544.5	4588.2	17467.1	28549.7	33664.1
75°	1067.3	1130.7	1350.5	2037.3	2320.5	1938.0	2288.8	10207.6	19914.4	23680.5
77.5°	815.8	864.4	1008.1	1492.0	1857.7	1454.0	1420.2	4695.9	9442.6	9489.1
80°	655.1	686.9	765.0	1050.4	1424.4	1088.4	925.7	1895.7	2984.1	2525.5
82.5°	481.9	534.7	646.7	737.6	1018.7	750.3	564.3	957.4	1134.9	976.4
85°	274.7	310.7	391.0	528.3	650.9	458.6	323.3	424.8	528.3	433.2
87.5°	97.2	126.8	137.4	207.1	283.2	190.2	124.7	122.6	173.3	128.9
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°
5839.3	0°	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3	5839.3
5902.7	2.5°	5881.6	5871.0	5828.7	5771.7	5712.5	5655.4	5636.4	5596.2	5568.8	5554.0
6040.1	5°	5999.9	5966.1	5866.8	5740.0	5606.8	5463.1	5361.7	5268.7	5201.0	5137.6
6228.1	7.5°	6169.0	6109.8	5938.6	5716.7	5480.0	5241.2	5063.7	4928.4	4837.5	4778.4
6447.9	10°	6365.5	6274.6	6012.6	5680.8	5315.2	4972.8	4763.6	4647.3	4590.3	4558.6
6699.4	12.5°	6591.6	6462.7	6088.7	5598.4	5063.7	4672.7	4529.0	4495.2	4497.3	4499.4
7016.4	15°	6870.6	6691.0	6150.0	5418.7	4736.1	4442.3	4417.0	4471.9	4529.0	4556.5
7375.7	17.5°	7185.5	6931.9	6160.5	5122.8	4414.9	4294.4	4374.7	4493.1	4579.7	4617.7
7777.3	20°	7523.7	7177.1	6084.4	4704.4	4150.7	4173.9	4317.6	4469.8	4564.9	4613.5
8235.9	22.5°	7910.4	7439.1	5902.7	4264.8	3935.1	4042.9	4212.0	4359.9	4459.2	4507.9
8774.8	25°	8352.1	7732.9	5617.4	3895.0	3749.1	3895.0	4064.0	4186.6	4266.9	4311.3
9377.1	27.5°	8842.4	8039.3	5237.0	3601.2	3586.4	3742.8	3882.3	3977.4	4019.7	4053.5
10017.4	30°	9334.8	8318.3	4776.3	3379.3	3444.8	3592.8	3692.1	3734.4	3747.0	3753.4
10731.8	32.5°	9867.4	8559.2	4292.3	3195.4	3309.6	3446.9	3506.1	3525.1	3466.0	3425.8
11598.3	35°	10512.0	8817.0	3818.9	3049.6	3176.4	3294.8	3313.8	3296.9	3227.1	3144.7
12684.5	37.5°	11308.7	9138.3	3440.6	2946.1	3051.7	3129.9	3106.7	3102.4	3108.8	3011.6
13990.6	40°	12285.1	9556.7	3163.7	2865.8	2950.3	2967.2	2901.7	2937.6	2969.3	2821.4
15423.5	42.5°	13369.3	10061.8	2988.3	2810.8	2865.8	2825.6	2724.2	2764.3	2760.1	2565.6
16862.7	45°	14474.6	10611.3	2927.0	2770.6	2787.6	2707.2	2595.2	2605.8	2517.0	2341.6
18242.7	47.5°	15573.5	11200.9	2965.1	2736.8	2690.3	2599.5	2512.8	2466.3	2335.3	2204.3
19565.7	50°	16651.4	11820.2	3104.6	2669.2	2557.2	2504.4	2441.0	2358.5	2219.1	2107.0
20816.8	52.5°	17651.0	12443.6	3261.0	2557.2	2390.2	2421.9	2381.8	2286.7	2149.3	2035.2
22000.3	55°	18597.8	13067.1	3322.2	2402.9	2233.8	2350.1	2326.8	2151.4	1986.6	1893.6
23238.8	57.5°	19629.1	13817.3	3254.6	2206.4	2107.0	2267.7	2178.9	1984.5	1889.4	1819.6
24851.3	60°	21057.8	14994.5	3108.8	1963.3	1986.6	2145.1	1992.9	1912.6	1809.1	1730.9
27269.0	62.5°	23431.1	17190.3	2874.2	1722.4	1845.0	1963.3	1904.2	1823.9	1718.2	1642.1
31402.8	65°	26939.3	20242.0	2432.5	1534.3	1686.5	1785.8	1809.1	1728.7	1618.9	1538.5
35025.1	67.5°	29898.1	22156.7	1840.8	1377.9	1523.8	1642.1	1707.6	1629.4	1513.2	1435.0
35872.6	70°	29735.3	20766.1	1405.4	1223.6	1380.0	1500.5	1585.0	1523.8	1399.1	1325.1
32584.2	72.5°	26411.0	17372.0	1137.0	1067.3	1234.2	1352.6	1454.0	1407.5	1280.7	1208.9
23870.7	75°	19403.0	12331.6	908.8	908.8	1052.5	1198.3	1310.3	1280.7	1164.5	1113.8
10021.7	77.5°	8178.8	5173.6	712.2	754.5	874.9	1029.2	1168.7	1179.3	1077.8	1141.2
2650.2	80°	2174.7	1426.5	543.1	593.9	686.9	849.6	1016.5	1012.3	902.4	843.2
984.8	82.5°	828.4	562.2	386.7	418.5	496.6	650.9	805.2	830.6	720.7	623.4
386.7	85°	319.1	240.9	238.8	251.5	289.5	431.1	608.7	629.8	543.1	460.7
107.8	87.5°	82.4	71.9	88.8	84.5	133.1	230.4	348.7	361.4	331.8	192.3
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>
5839.3
5570.9
5163.0
4791.0
4567.0
4503.6
4554.3
4626.2
4626.2
4520.5
4324.0
4066.2
3768.2
3438.5
3148.9
3017.9
2825.6
2563.5
2348.0
2204.3
2098.6
2037.3
1885.1
1813.3
1726.6
1642.1
1542.8
1437.1
1331.4
1208.9
1099.0
1035.6
784.1
623.4
475.5
274.7
0.0

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