

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: P853068

Luminaire Tested: **GLAN-SB8C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853068
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-SB8C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA 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: 35855 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

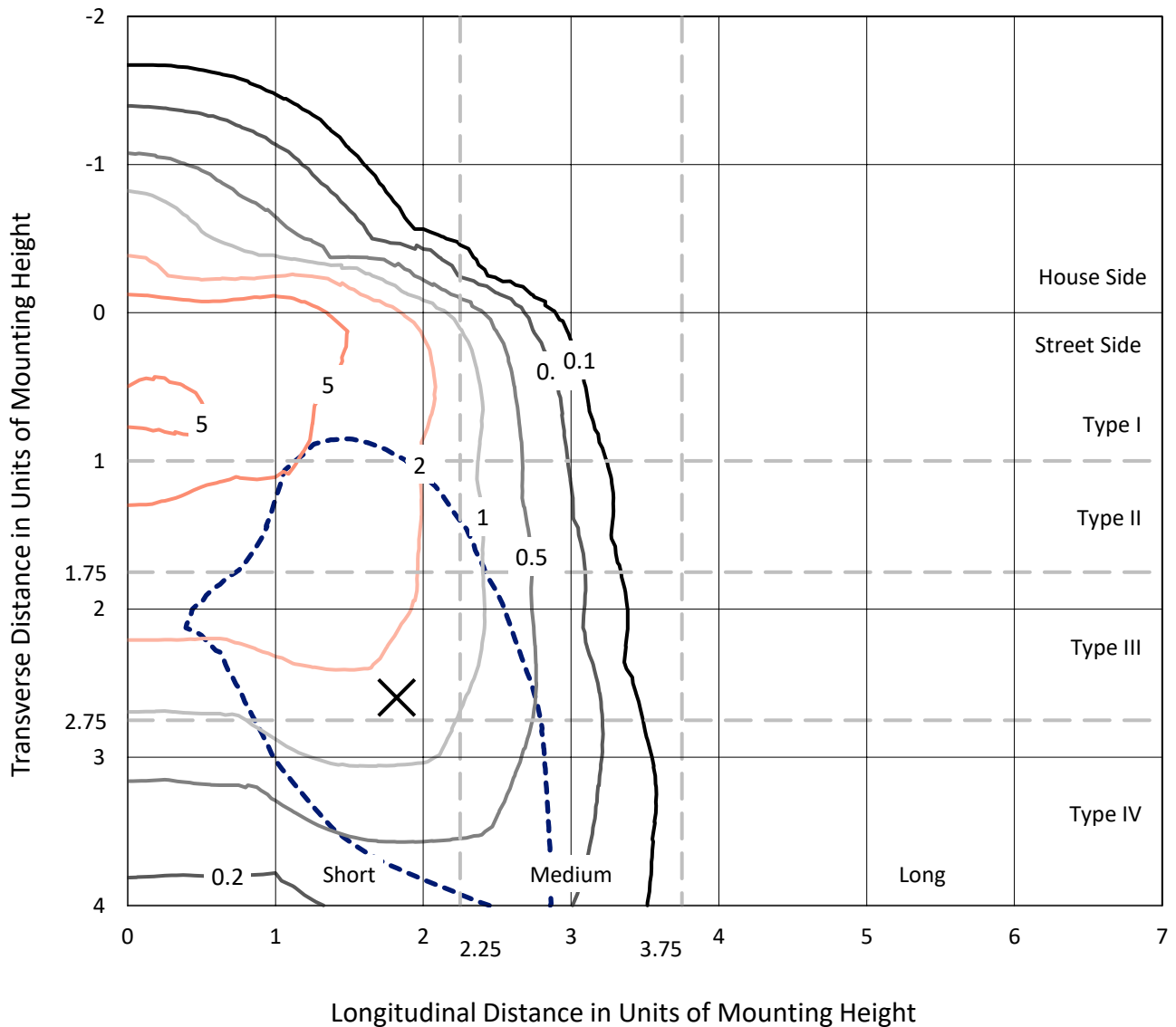
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

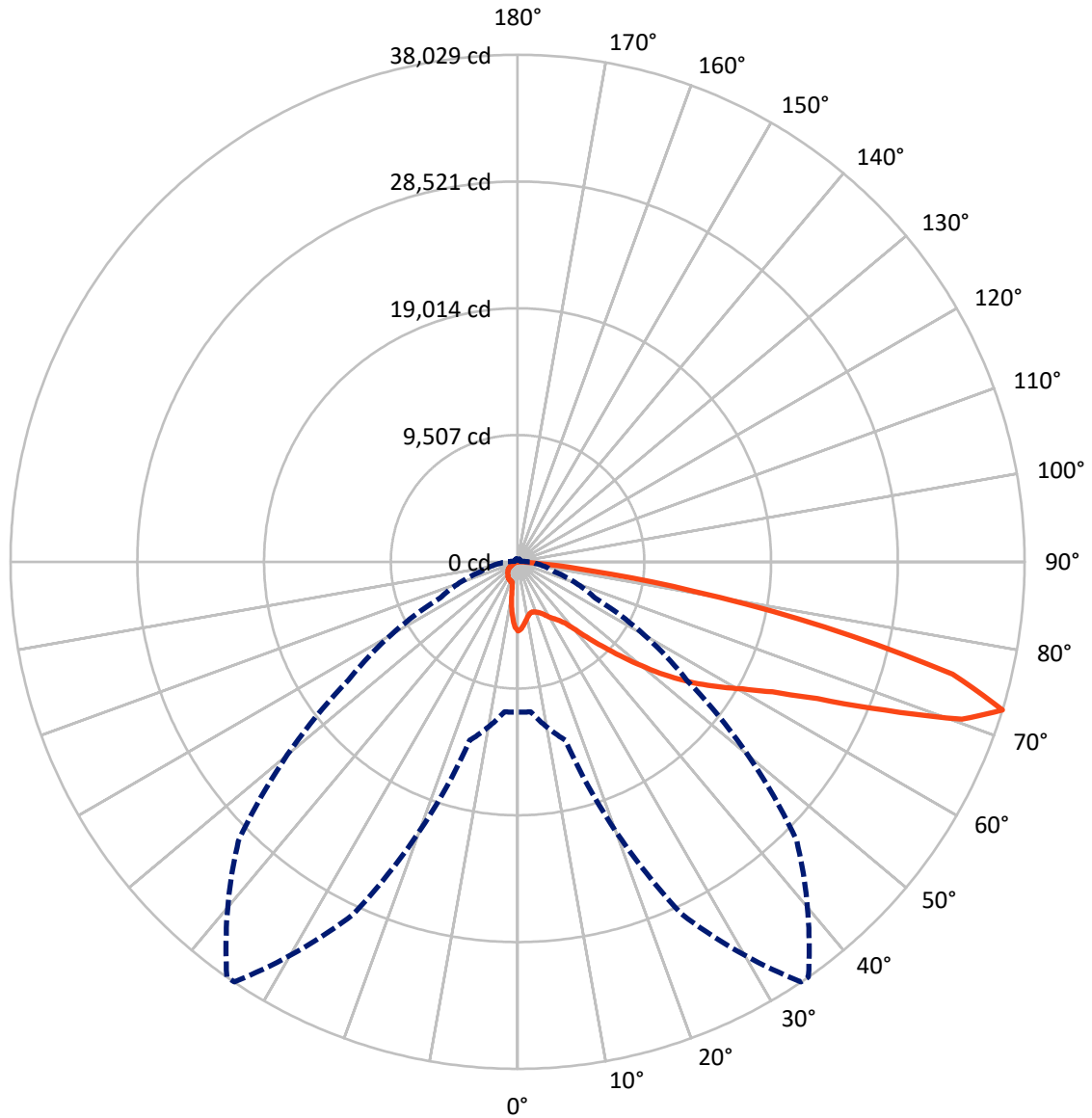
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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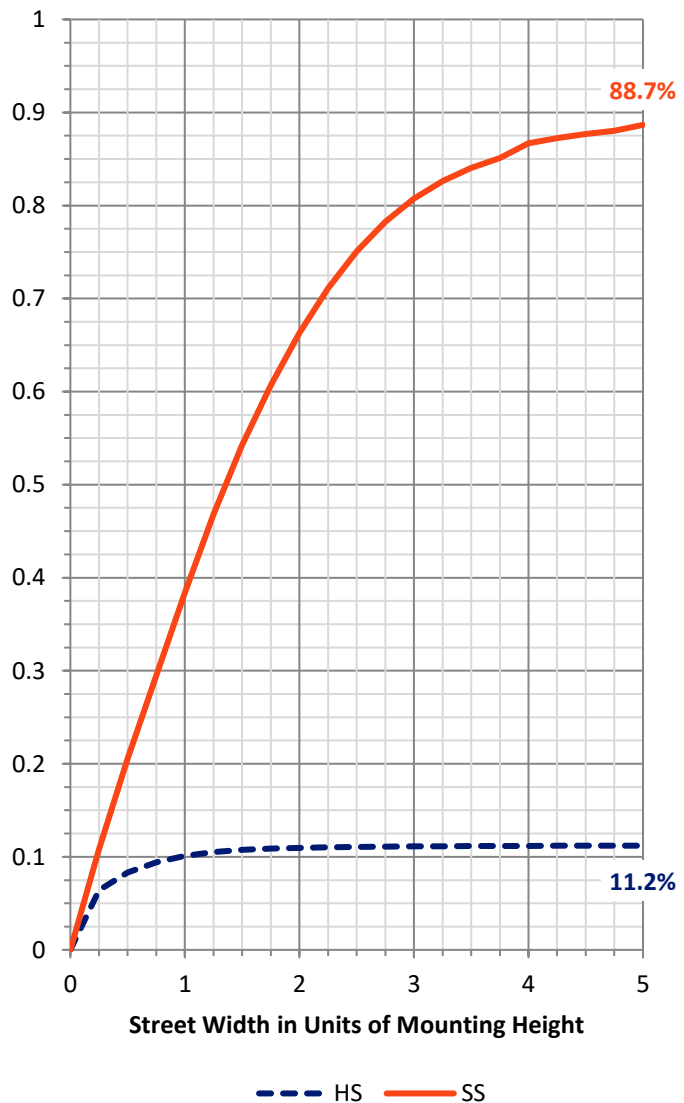
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4035.3	0.0	4035.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	31819.7	0.0	31819.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	35855.0	0.0	35855.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.0	1.2
10°-20°	999.0	2.8
20°-30°	1622.8	4.5
30°-40°	2707.6	7.6
40°-50°	5122.9	14.3
50°-60°	8140.2	22.7
60°-70°	10070.0	28.1
70°-80°	6259.6	17.5
80°-90°	505.9	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°	35855.0	100.0
0°-180°	35855.0	100.0

Coefficient of Utilization



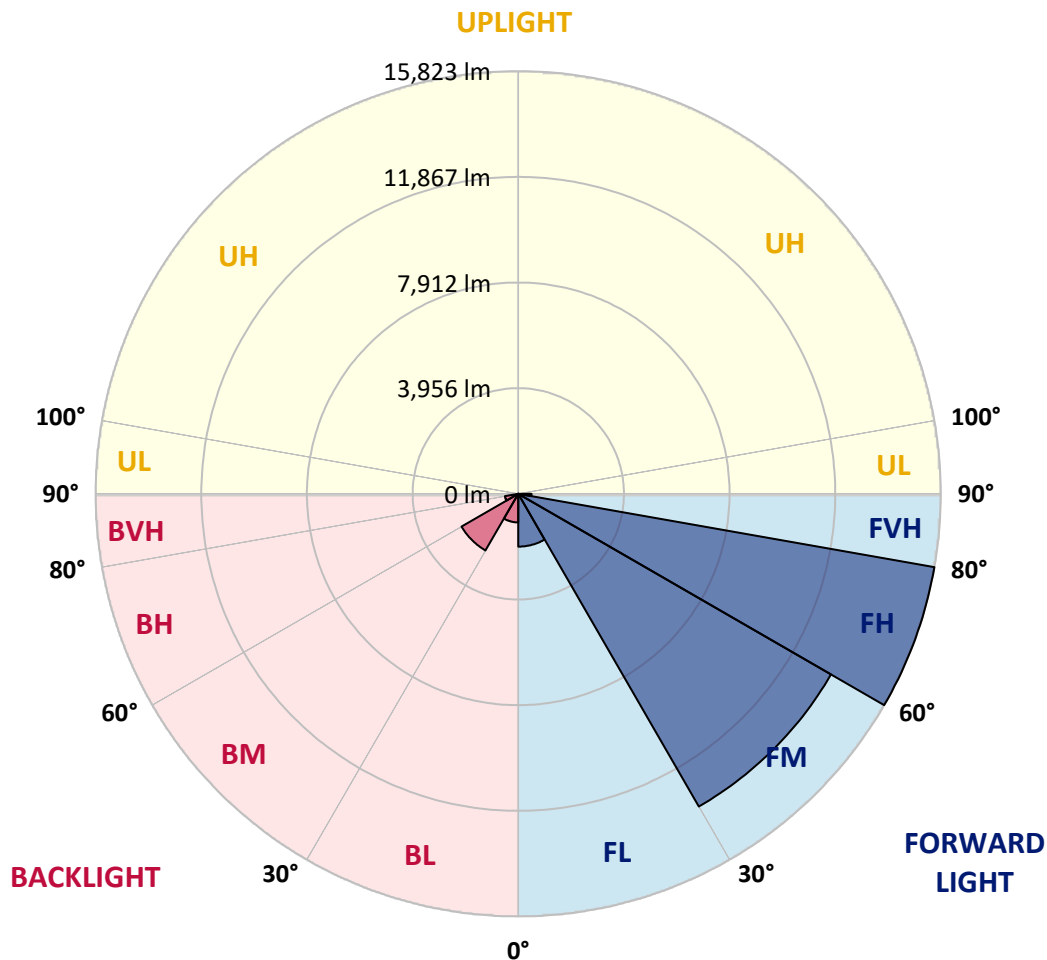
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.5	5.5			
FM (30°-60°)	13520.9	37.7			
FH (60°-80°)	15823.3	44.1			G5
FVH (80°-90°)	499.0	1.4			G3/500
BL (0°-30°)	1072.3	3.0	B3/2500		
BM (30°-60°)	2449.8	6.8	B2/2500		
BH (60°-80°)	506.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	6.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6
2.5°	4965.4	5007.4	5015.3	5028.5	5028.5	5044.2	5070.5	5107.3	5167.7	5199.2
5°	4576.6	4608.1	4647.5	4679.0	4739.5	4747.3	4849.8	4949.6	5088.9	5194.0
7.5°	4185.1	4221.9	4274.4	4350.6	4429.5	4453.1	4608.1	4776.2	4996.9	5194.0
10°	3909.3	3911.9	3959.2	4035.4	4161.5	4190.4	4379.5	4618.6	4894.5	5162.4
12.5°	3754.3	3772.7	3793.7	3851.5	3972.3	3990.7	4193.0	4474.1	4792.0	5144.0
15°	3754.3	3767.4	3780.5	3809.4	3906.6	3922.4	4101.1	4382.2	4739.5	5151.9
17.5°	3793.7	3814.7	3804.2	3838.3	3940.8	3951.3	4108.9	4355.9	4736.8	5201.8
20°	3888.2	3904.0	3883.0	3904.0	4006.5	4027.5	4190.4	4405.8	4781.5	5288.5
22.5°	4038.0	4045.9	3996.0	4011.7	4116.8	4143.1	4332.2	4547.7	4889.2	5427.8
25°	4227.2	4242.9	4166.7	4185.1	4285.0	4316.5	4534.5	4760.5	5060.0	5619.6
27.5°	4445.2	4453.1	4387.4	4384.8	4513.5	4558.2	4778.9	5023.2	5288.5	5861.3
30°	4694.8	4718.4	4655.4	4644.9	4807.8	4844.5	5062.6	5346.3	5624.8	6223.8
32.5°	4891.8	4910.2	4873.4	4899.7	5065.2	5094.1	5406.8	5803.5	6152.9	6738.8
35°	5175.6	5186.1	5102.0	5149.3	5338.5	5412.0	5877.0	6444.5	6817.6	7385.0
37.5°	6202.8	6202.8	5845.5	5611.7	5793.0	5858.6	6520.7	7251.1	7637.3	8252.0
40°	7624.1	7600.5	7077.7	6599.5	6575.9	6704.6	7437.6	8267.8	8696.0	9292.4
42.5°	9140.0	9103.2	8391.3	7918.4	7839.5	7884.2	8496.3	9521.0	9957.1	10561.3
45°	10485.1	10474.6	9823.1	9187.3	9045.4	9187.3	9817.8	10986.9	11299.6	11935.3
47.5°	11612.2	11612.2	11136.7	10721.6	10648.0	10732.1	11606.9	12613.2	12584.3	13398.7
50°	12910.0	12899.5	12447.6	12269.0	12345.2	12463.4	13666.7	14326.1	13913.6	14835.8
52.5°	13819.0	13882.1	13727.1	13698.2	14087.0	14291.9	15757.9	16002.2	15103.7	16199.3
55°	14538.9	14612.5	14791.1	14993.4	15742.2	16010.1	17783.5	17591.7	16099.5	17381.5
57.5°	15558.2	15453.2	15729.0	16128.3	17339.5	17662.6	19746.0	19091.8	16900.7	18340.4
60°	16795.7	16811.4	16858.7	17363.1	18934.2	19349.3	21679.6	20510.5	17415.7	18928.9
62.5°	18282.6	18306.3	18403.5	19178.5	21075.4	21466.8	23739.3	21671.7	17652.1	18763.4
65°	18180.2	18280.0	19365.1	22015.9	24330.5	24716.7	26143.2	22486.2	17294.8	17250.2
67.5°	16561.8	16724.7	18540.1	25405.0	29238.1	29668.9	29048.9	22646.4	15752.7	13414.5
70°	14439.1	14496.9	16680.1	28452.5	34920.7	35356.8	31649.8	20883.6	11953.7	7482.3
72.5°	11275.9	11289.1	13850.6	29159.2	38005.0	38028.6	29608.5	15503.1	6428.7	2874.2
75°	8055.0	7976.2	9276.6	23647.4	33436.3	33704.3	22197.2	7272.1	2456.4	1358.3
77.5°	4319.1	4405.8	5249.1	14024.0	23098.3	23555.4	12111.4	2096.5	1250.5	924.8
80°	1334.6	1408.2	2151.7	6420.9	13083.4	13359.3	4489.9	932.7	872.2	659.4
82.5°	420.4	436.1	1003.6	2698.1	5430.4	5556.5	1300.5	528.1	596.4	436.1
85°	120.9	123.5	446.6	1006.2	1342.5	1368.8	365.2	204.9	341.5	270.6
87.5°	13.1	42.0	168.1	168.1	118.2	115.6	39.4	44.7	97.2	34.2
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°
5196.6	0°	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6	5196.6
5220.2	2.5°	5207.1	5209.7	5175.6	5117.8	5054.7	5002.2	4936.5	4884.0	4847.2	4836.7
5267.5	5°	5243.9	5225.5	5128.3	4952.3	4742.1	4560.8	4358.5	4198.3	4093.2	4048.5
5317.4	7.5°	5299.1	5246.5	5033.7	4686.9	4285.0	3927.7	3565.1	3284.0	3105.3	3016.0
5364.7	10°	5346.3	5241.3	4876.1	4303.3	3688.6	3147.4	2658.7	2319.8	2130.7	2041.3
5419.9	12.5°	5391.0	5238.6	4671.2	3848.8	3016.0	2354.0	1899.5	1731.3	1678.8	1660.4
5509.2	15°	5475.1	5246.5	4413.7	3328.7	2346.1	1778.6	1613.1	1610.5	1621.0	1615.7
5645.8	17.5°	5590.7	5254.4	4122.1	2776.9	1810.1	1568.4	1560.6	1584.2	1600.0	1592.1
5816.6	20°	5740.4	5285.9	3812.1	2230.5	1555.3	1515.9	1534.3	1555.3	1568.4	1555.3
6045.2	22.5°	5950.6	5341.1	3473.2	1791.7	1473.9	1484.4	1500.1	1523.8	1536.9	1518.5
6336.8	25°	6208.1	5427.8	3139.5	1557.9	1434.4	1447.6	1471.2	1497.5	1513.3	1494.9
6704.6	27.5°	6541.7	5567.0	2832.1	1505.4	1395.0	1402.9	1437.1	1476.5	1497.5	1473.9
7227.4	30°	7025.1	5795.6	2566.8	1529.0	1371.4	1353.0	1400.3	1455.5	1479.1	1458.1
7939.4	32.5°	7666.2	6118.7	2403.9	1565.8	1360.9	1295.2	1339.9	1410.8	1450.2	1437.1
8869.4	35°	8506.9	6610.0	2340.8	1607.8	1353.0	1234.8	1266.3	1342.5	1410.8	1423.9
10041.1	37.5°	9526.2	7293.1	2359.2	1626.2	1329.4	1184.9	1200.6	1266.3	1355.6	1397.7
11360.0	40°	10684.8	8089.1	2464.3	1607.8	1303.1	1142.8	1145.5	1195.4	1274.2	1337.2
12778.7	42.5°	11880.2	9019.2	2658.7	1539.5	1279.4	1106.0	1098.2	1132.3	1184.9	1229.5
14194.7	45°	13017.8	9975.5	2850.5	1445.0	1250.5	1069.3	1050.9	1064.0	1074.5	1092.9
15574.0	47.5°	14010.8	10648.0	2795.3	1358.3	1211.1	1027.2	995.7	990.5	958.9	956.3
16806.2	50°	14696.5	10795.1	2482.7	1271.6	1153.3	979.9	930.0	898.5	843.3	817.1
17728.3	52.5°	14914.6	10214.5	2028.2	1184.9	1058.8	916.9	846.0	796.0	727.7	704.1
18259.0	55°	14625.6	9077.0	1621.0	1079.8	927.4	832.8	754.0	688.3	633.2	604.3
18316.8	57.5°	13918.9	7629.4	1282.1	956.3	788.2	738.2	659.4	593.7	546.5	517.6
17675.8	60°	12747.1	6058.3	1014.1	809.2	672.6	635.8	554.3	512.3	470.3	436.1
16020.6	62.5°	10968.5	4324.4	796.0	641.0	562.2	520.2	472.9	441.4	391.5	344.2
13044.0	65°	8559.4	2645.6	614.8	470.3	451.9	430.9	402.0	373.1	312.6	265.3
8509.5	67.5°	5398.9	1253.2	438.7	354.7	357.3	346.8	333.7	310.0	265.3	223.3
3812.1	70°	2377.6	606.9	289.0	270.6	265.3	265.3	275.9	268.0	225.9	186.5
1324.1	72.5°	809.2	325.8	215.4	204.9	191.8	189.2	231.2	223.3	181.3	144.5
659.4	75°	423.0	218.1	157.6	147.1	115.6	139.2	183.9	173.4	128.7	94.6
436.1	77.5°	275.9	155.0	107.7	94.6	65.7	92.0	136.6	120.9	76.2	47.3
286.4	80°	173.4	102.5	63.1	44.7	31.5	49.9	73.6	52.5	28.9	10.5
168.1	82.5°	92.0	52.5	23.6	15.8	13.1	15.8	18.4	13.1	5.3	0.0
86.7	85°	36.8	18.4	7.9	5.3	2.6	0.0	5.3	2.6	0.0	0.0
15.8	87.5°	13.1	2.6	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°
5196.6
4855.1
4064.3
3029.2
2044.0
1655.1
1613.1
1589.5
1552.7
1515.9
1492.2
1473.9
1455.5
1437.1
1423.9
1408.2
1358.3
1247.9
1103.4
953.7
819.7
701.5
604.3
512.3
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